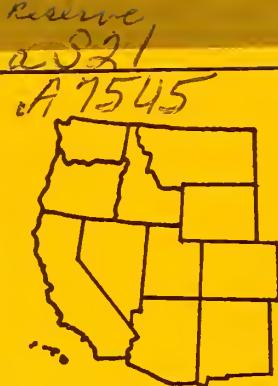


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GROWTH AND FRUITING OF TWO PIMA COTTONS

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GROWTH AND FRUITING OF TWO PIMA COTTONS //

By G. D. Butler, Jr., D. L. Kittock, and L. L. H. Pinkas¹

INTRODUCTION

Agricultural engineers have played a leading role in the development of computer simulations of crop production. The pioneering work was done by Stapleton (6)² in the mid-1960's. In 1968, Regional Project S-69, Engineering Systems for Cotton Production, jointly funded and staffed by Federal and State research workers, carried the work forward. Project workers Bowen et al. (1) gave three major reasons for a crop simulation:

1. To guide research for improving the efficiency of the production system.
2. To reduce the cost of applied research by testing the interaction of weather and cultural practices on the computer instead of in the field.
3. To optimize crop management systems.

Two simulations have been developed for short staple cotton: COTTON by Stapleton et al. (7) in Arizona and SIMCOT II by McKinnion et al. (5) in Mississippi. Gutierrez et al. (2) have written a simulation for acala cotton in California. When these or other similar models are adapted for Pima cotton, there will be a need for data to validate the results of the simulations.

During 1967, extensive observations on two Pima cottons were made at two locations in Arizona with three irrigations at each location. The following report has been prepared to provide input data such as temperatures, humidities, and irrigation amounts for making computer simulations. The observed development of the cotton plants in the different treatments is given at weekly intervals with data such as plant height and the number of nodes, squares, flowers, and bolls. This information is useful for validating simulations that have used the input data.

METHODS AND MATERIALS

Experiments were conducted during 1967 at the University of Arizona Cotton Research Center, Phoenix, Ariz. (elevation 1,100 ft), and at the University of Arizona Safford Experiment Station, Safford, Ariz. (elevation 2,900 ft). Two American Pima cotton (*Gossypium barbadense* L.) cultivars, 'Pima S-3' and 'Pima S-4', were planted in split plots with four replications and three irrigation treatments as main plots and the two cultivars as subplots.

Temperature and relative humidity were measured with recording hygrothermographs located in each field. The shelters were raised periodically so that they remained near the top of the plant canopy. The field at Phoenix received a preplant irrigation that was sufficient to fill the soil profile and to leach salts. It was planted on April 3 (093),³ and 50 percent of the plants had

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²Italic numbers in parentheses refer to Literature Cited, p. 3.

³Day of the year.

emerged on April 13 (103). The field received 50 pounds of nitrogen per acre preplant and 100 pounds of nitrogen per acre on May 22 (142) in the form of urea. The field at Safford was planted in dry soil and was irrigated for germination and to fill the soil profile on May 2 (122). On May 13 (133), 50 percent of the plants had emerged. No nitrogen fertilizer was used at Safford because residual nitrogen from alfalfa rotation plus nitrogen in water (approximately 3 pounds of N per acre-inch) is enough to meet crop needs. At each location, all the plots were irrigated in every second furrow (in alternate rows). At Phoenix, the percentage of available soil moisture was determined gravimetrically from samples obtained from each of the top 6 feet.

Observations of the plants were begun when the plants were in the cotyledon stage, which was April 27 (117) at Phoenix and May 25 (145) at Safford. Observations were made twice weekly, except from July 17 (198) to September 4 (247) at Safford when only weekly observations were made. Plants were thinned as they emerged to one plant every 6 inches in the rows, which were 40 inches apart. The first measurements consisted of 15 plants per plot. At Safford, after thinning, there was approximately a 30 percent plant mortality, apparently caused by high soil salinity. A few additional plants were lost at both locations due to stem breakage while handling.

The following measurements were made in each treatment:

1. Plant height (in centimeters) from the soil surface level at emergence to the growing point.
2. The number of clearly visible nodes above the cotyledonary nodes.
3. The date and location on the plant when squares were first seen, when they abscissed, when the flower was seen, when the boll abscissed, or when the boll matured.
4. The seed cotton weight, seed weight, and the number of seeds were determined for each of the matured bolls but was reported by Kittock and Pinkas (4).

No new fruiting positions (squares first seen) were noted after August 25 (237) at Phoenix and August 31 (243) at Safford. Those noted on these dates, or earlier, were followed to abscission or to boll maturity.

Pink bollworm, *Pectinophora gossypiella* (Saunders), was the only serious insect pest in either field. Data on damage to the crop by this insect was published by Kittock and Pinkas (3). The test at Safford received four insecticide applications by airplane. On September 20 and 25, the field was treated with toxaphene at 4 lb active ingredients per acre plus Dylox at 1.5 lb a.i./acre. On September 30 and October 6, the treatment was Sevin at 2.0 lb a.i./acre plus toxaphene at 1.5 lb a.i./acre.

Insecticide applications at Phoenix, applied by air, were as follows: Bi-drin 1/3 lb acre on 5/2; Dylox at 2 lb/acre on 6/22, 6/29, and at 3 lb/acre on 7/7; Sevin at 2 1/2 lb/acre on 7/12, 7/17, 7/22, 7/27, 8/1, 8/15, 8/20, 9/14, 9/19, 9/24, and 9/29; methyl parathion at 1 lb/acre on 8/5, 8/10, 8/30, and 10/6; and methyl parathion at 1 lb/acre plus Kelthane at 2 quarts/acre on 8/25, 9/4, and 9/9. The field was defoliated with Magchlor at 2 gal/acre on 10/26.

RESULTS

Hourly temperatures in degrees Celsius with the daily maximum, minimum, and average temperatures are given in table 1⁴ for Phoenix and in table 2 for Safford. At Phoenix, the April average temperature was 4° to 5° F below normal;

⁴All tables appear in the Appendix.

June was 2.5° F below normal; and July, August, September, and October were 2 to 3° F above normal. Temperatures at Safford were below normal every month with an April to October average of -2.4° F.

Two-hour relative humidity records with the daily maximum, minimum, and average relative humidities are given in table 3 for Phoenix and in table 4 for Safford.

The amount of rainfall and irrigations in inches at Phoenix is given in table 5 and at Safford in table 6. However, no measurable rain fell in our fields at Phoenix in August so there was approximately 1.12 inches less than normal. Safford, on the other hand, had 2.77 inches of rain during August (with 1.17 on September 1), to give almost 2 inches more than normal. Soil moisture at Phoenix, expressed as the percentage of available moisture at six soil depths, is given for each of the three irrigation treatments in table 7. Certain physical characteristics of the soil at Phoenix are given in table 8.

The average plant height in centimeters at weekly intervals is given in tables 9 and 10 for Safford and Phoenix, respectively; the average number of nodes per plant each week is given in tables 11 and 12.

The number of squares, abscissed squares, flowers, abscissed bolls, and harvested bolls per 40 plants in the wet, medium, and dry treatments is given in tables 13, 14, and 15, respectively, for Phoenix, and tables 16, 17, and 18, respectively, for Safford.

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APPENDIX TABLES

Table 1.--Hourly temperatures for Phoenix, 1967

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER | | |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----|----|----|----|----|----|-----|------|------|------|------|
| 110 | 10 | 9 | 9 | 6 | 5 | 5 | 10 | 13 | 17 | 18 | 19 | 20 | 21 | 22 | 22 | 21 | 21 | 19 | 17 | 16 | 15 | 15 | 13 | 12 | 22 | 5 | 14.8 | | |
| 111 | 11 | 8 | 9 | 6 | 5 | 6 | 10 | 14 | 17 | 19 | 20 | 20 | 22 | 23 | 23 | 23 | 22 | 20 | 17 | 15 | 13 | 11 | 9 | 8 | 23 | 5 | 14.6 | | |
| 112 | 8 | 6 | 6 | 6 | 5 | 10 | 15 | 18 | 19 | 20 | 22 | 21 | 22 | 21 | 23 | 22 | 20 | 18 | 17 | 16 | 14 | 12 | 9 | 23 | 5 | 14.8 | | | |
| 113 | 12 | 7 | 8 | 9 | 10 | 8 | 12 | 16 | 19 | 21 | 22 | 23 | 25 | 25 | 26 | 26 | 27 | 23 | 20 | 18 | 16 | 14 | 15 | 15 | 27 | 7 | 17.4 | | |
| 114 | 12 | 10 | 9 | 7 | 5 | 8 | 13 | 17 | 20 | 22 | 23 | 25 | 24 | 24 | 24 | 24 | 22 | 20 | 18 | 17 | 16 | 15 | 15 | 15 | 25 | 5 | 17.2 | | |
| 115 | 14 | 14 | 10 | 10 | 8 | 7 | 11 | 14 | 17 | 19 | 21 | 22 | 23 | 23 | 24 | 24 | 24 | 22 | 20 | 18 | 17 | 16 | 15 | 13 | 12 | 11 | 11 | 24 | |
| 116 | 10 | 10 | 9 | 9 | 8 | 10 | 14 | 17 | 21 | 23 | 26 | 27 | 29 | 30 | 30 | 32 | 30 | 30 | 25 | 22 | 19 | 15 | 13 | 12 | 11 | 11 | 32 | 8 | 19.7 |
| 117 | 11 | 10 | 9 | 9 | 8 | 11 | 16 | 19 | 23 | 26 | 27 | 29 | 31 | 31 | 31 | 31 | 30 | 27 | 23 | 21 | 19 | 18 | 17 | 15 | 15 | 15 | 31 | 8 | 20.5 |
| 118 | 11 | 13 | 9 | 9 | 11 | 15 | 19 | 22 | 24 | 25 | 26 | 27 | 28 | 29 | 29 | 29 | 28 | 25 | 22 | 20 | 19 | 18 | 16 | 13 | 29 | 9 | 20.3 | | |
| 119 | 18 | 16 | 14 | 13 | 11 | 13 | 15 | 17 | 16 | 19 | 20 | 21 | 20 | 21 | 21 | 20 | 19 | 18 | 16 | 14 | 12 | 11 | 11 | 7 | 21 | 7 | 16.0 | | |
| 120 | 6 | 5 | 4 | 3 | 6 | 8 | 11 | 13 | 16 | 19 | 20 | 21 | 22 | 22 | 23 | 22 | 21 | 20 | 17 | 14 | 14 | 12 | 11 | 10 | 23 | 3 | 14.2 | | |
| 121 | 11 | 8 | 6 | 5 | 6 | 8 | 14 | 16 | 19 | 21 | 22 | 23 | 24 | 24 | 25 | 24 | 24 | 23 | 20 | 16 | 14 | 11 | 9 | 8 | 25 | 5 | 15.9 | | |
| 122 | 8 | 7 | 6 | 5 | 6 | 6 | 12 | 15 | 17 | 20 | 23 | 25 | 26 | 27 | 27 | 27 | 26 | 25 | 23 | 18 | 16 | 14 | 11 | 11 | 27 | 5 | 16.7 | | |
| 123 | 11 | 9 | 8 | 7 | 9 | 12 | 16 | 20 | 23 | 26 | 28 | 28 | 29 | 30 | 29 | 29 | 28 | 24 | 20 | 17 | 16 | 15 | 13 | 30 | 7 | 19.0 | | | |
| 124 | 13 | 10 | 11 | 9 | 8 | 9 | 13 | 19 | 22 | 25 | 27 | 28 | 29 | 30 | 31 | 31 | 30 | 28 | 26 | 23 | 22 | 19 | 17 | 15 | 28 | 11 | 20.8 | | |
| 125 | 20 | 20 | 15 | 13 | 11 | 12 | 15 | 21 | 23 | 24 | 25 | 27 | 28 | 28 | 27 | 27 | 26 | 25 | 23 | 21 | 19 | 18 | 17 | 15 | 30 | 9 | 20.0 | | |
| 126 | 13 | 12 | 10 | 10 | 9 | 14 | 17 | 21 | 24 | 26 | 27 | 29 | 29 | 29 | 29 | 30 | 29 | 27 | 22 | 19 | 15 | 15 | 13 | 30 | 9 | 20.0 | | | |
| 127 | 13 | 11 | 10 | 9 | 12 | 17 | 20 | 22 | 26 | 29 | 30 | 32 | 34 | 34 | 35 | 34 | 33 | 30 | 27 | 20 | 20 | 19 | 17 | 35 | 9 | 22.7 | | | |
| 128 | 18 | 16 | 15 | 14 | 15 | 16 | 20 | 23 | 27 | 29 | 33 | 34 | 34 | 35 | 36 | 33 | 34 | 31 | 25 | 22 | 20 | 19 | 17 | 36 | 14 | 24.2 | | | |
| 129 | 16 | 15 | 14 | 14 | 15 | 17 | 21 | 24 | 28 | 29 | 32 | 33 | 35 | 36 | 35 | 34 | 31 | 30 | 29 | 27 | 27 | 26 | 26 | 36 | 14 | 25.3 | | | |
| 130 | 25 | 24 | 22 | 21 | 20 | 20 | 20 | 23 | 25 | 26 | 27 | 29 | 29 | 30 | 29 | 28 | 28 | 25 | 22 | 21 | 20 | 21 | 17 | 30 | 17 | 24.2 | | | |
| 131 | 16 | 14 | 13 | 12 | 11 | 10 | 15 | 20 | 23 | 25 | 26 | 27 | 28 | 28 | 29 | 28 | 28 | 26 | 23 | 20 | 18 | 15 | 15 | 29 | 10 | 20.3 | | | |
| 132 | 11 | 12 | 11 | 9 | 8 | 12 | 15 | 20 | 23 | 25 | 27 | 28 | 29 | 30 | 30 | 29 | 30 | 27 | 26 | 22 | 21 | 18 | 18 | 17 | 30 | 8 | 20.7 | | |
| 133 | 17 | 17 | 16 | 14 | 12 | 10 | 16 | 21 | 23 | 25 | 27 | 29 | 29 | 30 | 30 | 29 | 29 | 28 | 25 | 23 | 21 | 20 | 17 | 17 | 30 | 10 | 21.9 | | |
| 134 | 16 | 15 | 15 | 14 | 13 | 14 | 17 | 21 | 24 | 26 | 27 | 29 | 30 | 31 | 32 | 31 | 32 | 30 | 29 | 24 | 22 | 20 | 19 | 18 | 32 | 13 | 22.9 | | |
| 135 | 17 | 23 | 18 | 15 | 14 | 13 | 19 | 24 | 28 | 30 | 32 | 33 | 34 | 35 | 35 | 36 | 35 | 34 | 30 | 26 | 23 | 19 | 18 | 18 | 36 | 13 | 25.4 | | |
| 136 | 17 | 16 | 16 | 20 | 15 | 17 | 23 | 29 | 33 | 35 | 36 | 37 | 40 | 40 | 40 | 40 | 39 | 39 | 37 | 33 | 27 | 25 | 25 | 20 | 19 | 40 | 15 | 28.2 | |
| 137 | 18 | 18 | 17 | 16 | 15 | 17 | 20 | 26 | 31 | 32 | 34 | 35 | 36 | 37 | 36 | 38 | 34 | 33 | 32 | 29 | 28 | 26 | 25 | 23 | 38 | 15 | 27.3 | | |
| 138 | 24 | 24 | 23 | 22 | 24 | 22 | 25 | 27 | 30 | 33 | 35 | 36 | 37 | 38 | 38 | 38 | 36 | 36 | 33 | 28 | 26 | 23 | 21 | 19 | 38 | 19 | 29.2 | | |
| 139 | 20 | 17 | 16 | 15 | 15 | 18 | 20 | 23 | 28 | 32 | 34 | 38 | 38 | 39 | 40 | 38 | 36 | 35 | 33 | 29 | 27 | 24 | 20 | 22 | 40 | 15 | 27.4 | | |
| 140 | 20 | 20 | 19 | 17 | 19 | 19 | 24 | 28 | 31 | 33 | 36 | 39 | 41 | 40 | 42 | 40 | 40 | 39 | 37 | 31 | 28 | 24 | 24 | 24 | 42 | 17 | 29.8 | | |
| 141 | 22 | 22 | 25 | 23 | 18 | 22 | 27 | 30 | 33 | 36 | 37 | 39 | 40 | 41 | 42 | 43 | 41 | 38 | 35 | 32 | 30 | 29 | 27 | 27 | 43 | 18 | 31.6 | | |
| 142 | 24 | 21 | 20 | 20 | 17 | 19 | 23 | 31 | 33 | 37 | 39 | 40 | 41 | 43 | 41 | 41 | 37 | 35 | 33 | 31 | 30 | 29 | 28 | 25 | 43 | 17 | 30.7 | | |
| 143 | 28 | 21 | 21 | 20 | 21 | 21 | 25 | 30 | 32 | 32 | 34 | 35 | 34 | 34 | 33 | 32 | 32 | 31 | 30 | 27 | 27 | 24 | 22 | 23 | 35 | 20 | 27.9 | | |
| 144 | 28 | 25 | 22 | 23 | 24 | 23 | 23 | 27 | 27 | 29 | 30 | 30 | 33 | 31 | 31 | 34 | 32 | 26 | 25 | 23 | 23 | 21 | 23 | 22 | 34 | 21 | 26.5 | | |
| 145 | 23 | 21 | 21 | 20 | 21 | 22 | 23 | 25 | 25 | 29 | 30 | 33 | 34 | 33 | 25 | 27 | 26 | 26 | 25 | 23 | 23 | 22 | 20 | 19 | 34 | 19 | 24.8 | | |
| 146 | 19 | 20 | 20 | 19 | 17 | 19 | 22 | 24 | 27 | 29 | 30 | 33 | 35 | 35 | 34 | 36 | 35 | 34 | 32 | 29 | 27 | 24 | 25 | 23 | 36 | 17 | 27.0 | | |
| 147 | 22 | 21 | 18 | 17 | 17 | 18 | 21 | 27 | 28 | 30 | 37 | 37 | 34 | 33 | 35 | 33 | 30 | 28 | 25 | 24 | 24 | 23 | 21 | 37 | 17 | 26.4 | | | |
| 148 | 19 | 17 | 15 | 15 | 13 | 16 | 20 | 23 | 26 | 28 | 29 | 30 | 31 | 32 | 33 | 32 | 32 | 31 | 28 | 25 | 24 | 21 | 22 | 20 | 33 | 13 | 24.2 | | |
| 149 | 17 | 17 | 16 | 16 | 15 | 15 | 18 | 21 | 24 | 26 | 27 | 29 | 29 | 30 | 30 | 30 | 30 | 28 | 27 | 22 | 20 | 20 | 18 | 30 | 15 | 22.7 | | | |
| 150 | 18 | 18 | 17 | 16 | 16 | 21 | 22 | 23 | 25 | 26 | 26 | 28 | 29 | 29 | 29 | 29 | 27 | 25 | 23 | 21 | 20 | 18 | 17 | 29 | 16 | 22.5 | | | |
| 151 | 17 | 15 | 14 | 15 | 14 | 17 | 19 | 22 | 24 | 26 | 27 | 28 | 29 | 30 | 31 | 31 | 30 | 28 | 26 | 23 | 21 | 18 | 19 | 21 | 31 | 14 | 22.7 | | |
| 152 | 19 | 18 | 18 | 15 | 13 | 17 | 21 | 23 | 25 | 27 | 29 | 30 | 31 | 33 | 32 | 32 | 30 | 29 | 27 | 25 | 22 | 21 | 20 | 18 | 33 | 13 | 24.0 | | |
| 153 | 17 | 16 | 15 | 14 | 19 | 22 | 25 | 28 | 30 | 31 | 33 | 34 | 35 | 36 | 36 | 34 | 32 | 29 | 27 | 25 | 23 | 22 | 22 | 36 | 14 | 26.0 | | | |
| 154 | 19 | 18 | 17 | 18 | 21 | 23 | 25 | 27 | 28 | 22 | 24 | 28 | 31 | 32 | 33 | 34 | 33 | 30 | 28 | 27 | 26 | 26 | 26 | 34 | 17 | 25.6 | | | |
| 155 | 25 | 23 | 22 | 21 | 23 | 27 | 29 | 31 | 33 | 35 | 36 | 37 | 38 | 38 | 39 | 36 | 33 | 31 | 30 | 28 | 26 | 25 | 25 | 39 | 21 | 29.7 | | | |
| 156 | 26 | 24 | 22 | 21 | 23 | 27 | 29 | 30 | 32 | 34 | 37 | 36 | 36 | 35 | 35 | 34 | 33 | 31 | 26 | 24 | 22 | 20 | 18 | 37 | 18 | 28.2 | | | |
| 157 | 16 | 16 | 15 | 14 | 13 | 15 | 19 | 24 | 27 | 29 | 30 | 31 | 32 | 33 | 34 | 34 | 32 | 31 | 29 | 26 | 24 | 22 | 20 | 19 | 34 | 13 | 24.4 | | |
| 158 | 19 | 18 | 15 | 16 | 18 | 16 | 20 | 24 | 27 | 29 | 32 | 33 | 35 | 35 | 36 | 35 | 34 | 32 | 31 | 27 | 25 | 22 | 23 | 20 | 36 | 15 | 25.9 | | |
| 159 | 18 | 18 | 16 | 15 | 15 | 18 | 21 | 25 | 28 | 31 | 32 | 34 | 35 | 35 | 35 | 37 | 35 | 34 | 31 | 27 | 27 | 24 | 24 | 20 | 37 | 15 | 26.5 | | |
| 160 | 17 | 17 | 15 | 15 | 14 | 16 | 20 | 24 | 26 | 29 | 31 | 33 | 34 | 34 | 34 | 35 | 34 | 32 | 30 | 26 | 25 | 23 | 21 | 20 | 35 | 14 | 25.2 | | |
| 161 | 18 | 17 | 17 | 15 | 14 | 16 | 20 | 23 | 25 | 28 | 29 | 30 | 31 | 32 | 32 | 31 | 29 | 27 | 25 | 22 | 19 | 19 | 17 | 32 | 14 | 23.6 | | | |
| 162 | 17 | 16 | 15 | 14 | 16 | 20 | 23 | 26 | 28 | 30 | 31 | 32 | 33 | 34 | 33 | 31 | 29 | 28 | 24 | 24 | 22 | 20 | 19 | 34 | 14 | 24.8 | | | |
| 163 | 19 | 17 | 16 | 15 | 15 | 21 | 24 | 32 | 29 | 30 | 32 | 32 | 33 | 33 | 35 | 34 | 32 | 28 | 26 | 26 | 24 | 21 | 21 | 35 | 15 | 25.5 | | | |
| 164 | 19 | 21 | 19 | 18 | 15 | 17 | 22 | 23 | 25 | 27 | 28 | 29 | 31 | 32 | 30 | 28 | 28 | 28 | 27 | 26 | 24 | 22 | 20 | 19 | 32 | 15 | 24.1 | | |
| 165 | 18 | 17 | 16 | 15 | 15 | 18 | 20 | 23 | 26 | 28 | 29 | 30 | 31 | 32 | 32 | 31 | 31 | 30 | 27 | 26 | 23 | 20 | 19 | 18 | 32 | 15 | 24.0 | | |
| 166 | 17 | 16 | 15 | 14 | 18 | 22 | 26 | 29 | 31 | 32 | 34 | 35 | 36 | 36 | 36 | 35 | 34 | 33 | 32 | 28 | 25 | 23 | 22 | 21 | 36 | 14 | 26.5 | | |
| 167 | 21 | 20 | 18 | 17 | 15 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 38 | 37 | 37 | 37 | 35 | 33</td | | | | | | | | | | | |

Table 1.--Hourly temperatures for Phoenix, 1967--Continued

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|------|
| 175 | 22 | 22 | 20 | 25 | 20 | 22 | 25 | 29 | 32 | 35 | 36 | 37 | 38 | 39 | 40 | 35 | 36 | 36 | 34 | 32 | 31 | 30 | 32 | 30 | 40 | 20 | 30.7 |
| 176 | 27 | 25 | 25 | 26 | 25 | 28 | 30 | 32 | 34 | 35 | 37 | 38 | 39 | 39 | 38 | 39 | 37 | 37 | 32 | 31 | 30 | 27 | 26 | 25 | 39 | 25 | 31.7 |
| 177 | 24 | 23 | 23 | 23 | 24 | 25 | 28 | 28 | 30 | 32 | 34 | 36 | 34 | 35 | 36 | 37 | 37 | 37 | 36 | 33 | 32 | 29 | 28 | 26 | 37 | 23 | 30.4 |
| 178 | 26 | 25 | 24 | 23 | 23 | 22 | 25 | 29 | 33 | 35 | 36 | 37 | 38 | 39 | 40 | 40 | 39 | 38 | 36 | 34 | 32 | 31 | 32 | 30 | 40 | 22 | 32.0 |
| 179 | 28 | 26 | 26 | 24 | 23 | 22 | 26 | 30 | 33 | 36 | 38 | 38 | 39 | 40 | 40 | 40 | 39 | 36 | 34 | 32 | 28 | 26 | 25 | 40 | 22 | 32.0 | |
| 180 | 25 | 22 | 24 | 23 | 21 | 22 | 25 | 29 | 33 | 36 | 37 | 38 | 39 | 41 | 41 | 41 | 40 | 39 | 37 | 34 | 30 | 26 | 27 | 25 | 41 | 21 | 31.5 |
| 181 | 25 | 22 | 22 | 21 | 21 | 23 | 26 | 29 | 33 | 35 | 37 | 38 | 40 | 41 | 41 | 40 | 40 | 38 | 37 | 34 | 31 | 29 | 27 | 26 | 41 | 21 | 31.5 |
| 182 | 25 | 23 | 22 | 23 | 23 | 22 | 28 | 31 | 33 | 36 | 37 | 39 | 40 | 41 | 42 | 42 | 42 | 41 | 38 | 36 | 35 | 32 | 29 | 27 | 42 | 22 | 32.8 |
| 183 | 26 | 24 | 23 | 23 | 24 | 28 | 31 | 32 | 36 | 38 | 40 | 41 | 41 | 42 | 43 | 42 | 40 | 40 | 37 | 34 | 36 | 34 | 30 | 43 | 23 | 33.7 | |
| 184 | 30 | 27 | 27 | 26 | 26 | 25 | 29 | 33 | 35 | 37 | 37 | 39 | 39 | 39 | 41 | 40 | 38 | 36 | 35 | 33 | 32 | 32 | 32 | 41 | 25 | 33.6 | |
| 185 | 30 | 28 | 27 | 25 | 25 | 27 | 27 | 31 | 34 | 37 | 37 | 37 | 39 | 39 | 39 | 38 | 37 | 35 | 34 | 32 | 31 | 30 | 30 | 39 | 25 | 32.8 | |
| 186 | 29 | 29 | 27 | 27 | 28 | 28 | 28 | 29 | 32 | 32 | 35 | 34 | 37 | 37 | 37 | 36 | 36 | 35 | 33 | 32 | 31 | 30 | 29 | 30 | 37 | 27 | 31.7 |
| 187 | 29 | 28 | 26 | 25 | 25 | 27 | 29 | 30 | 30 | 29 | 31 | 34 | 34 | 34 | 35 | 36 | 34 | 33 | 32 | 30 | 29 | 29 | 28 | 36 | 25 | 30.2 | |
| 188 | 27 | 26 | 29 | 28 | 26 | 25 | 25 | 26 | 28 | 29 | 29 | 31 | 33 | 34 | 35 | 36 | 35 | 34 | 33 | 31 | 30 | 27 | 29 | 27 | 36 | 25 | 29.7 |
| 189 | 26 | 25 | 24 | 23 | 27 | 29 | 32 | 34 | 35 | 36 | 38 | 39 | 39 | 39 | 38 | 38 | 36 | 35 | 34 | 33 | 31 | 31 | 30 | 39 | 23 | 32.3 | |
| 190 | 29 | 27 | 27 | 26 | 26 | 27 | 30 | 32 | 34 | 35 | 37 | 34 | 34 | 33 | 34 | 34 | 33 | 32 | 31 | 30 | 28 | 28 | 27 | 26 | 37 | 26 | 30.6 |
| 191 | 26 | 26 | 25 | 24 | 27 | 29 | 30 | 32 | 34 | 35 | 37 | 37 | 38 | 39 | 37 | 37 | 36 | 35 | 34 | 31 | 30 | 32 | 24 | 39 | 24 | 31.7 | |
| 192 | 22 | 22 | 22 | 22 | 22 | 23 | 25 | 26 | 27 | 30 | 32 | 34 | 36 | 37 | 38 | 38 | 38 | 39 | 36 | 32 | 30 | 28 | 30 | 39 | 22 | 30.0 | |
| 193 | 28 | 29 | 29 | 25 | 26 | 26 | 27 | 28 | 30 | 33 | 35 | 36 | 36 | 37 | 38 | 39 | 37 | 36 | 34 | 33 | 30 | 29 | 28 | 27 | 39 | 25 | 31.5 |
| 194 | 27 | 26 | 25 | 24 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 37 | 38 | 38 | 36 | 34 | 32 | 31 | 30 | 31 | 30 | 38 | 24 | 31.6 | |
| 195 | 30 | 29 | 27 | 29 | 26 | 29 | 30 | 33 | 34 | 36 | 37 | 38 | 39 | 40 | 39 | 37 | 34 | 33 | 31 | 30 | 28 | 27 | 28 | 40 | 26 | 32.2 | |
| 196 | 28 | 27 | 25 | 25 | 28 | 28 | 29 | 28 | 30 | 30 | 32 | 35 | 35 | 36 | 36 | 37 | 34 | 34 | 33 | 31 | 30 | 27 | 37 | 25 | 30.7 | | |
| 197 | 28 | 28 | 27 | 26 | 28 | 28 | 29 | 32 | 32 | 35 | 37 | 37 | 38 | 39 | 35 | 36 | 35 | 33 | 32 | 29 | 26 | 24 | 24 | 39 | 24 | 31.5 | |
| 198 | 25 | 24 | 24 | 24 | 25 | 25 | 26 | 28 | 28 | 30 | 32 | 33 | 34 | 35 | 36 | 35 | 34 | 31 | 30 | 30 | 31 | 29 | 29 | 36 | 24 | 29.5 | |
| 199 | 26 | 25 | 25 | 24 | 25 | 24 | 27 | 30 | 32 | 33 | 35 | 36 | 37 | 37 | 38 | 37 | 36 | 33 | 32 | 30 | 30 | 27 | 26 | 25 | 38 | 24 | 30.4 |
| 200 | 26 | 25 | 25 | 24 | 25 | 26 | 30 | 31 | 34 | 35 | 36 | 37 | 38 | 38 | 39 | 39 | 38 | 38 | 36 | 32 | 31 | 28 | 28 | 27 | 39 | 24 | 31.9 |
| 201 | 27 | 25 | 23 | 23 | 22 | 26 | 27 | 30 | 33 | 35 | 37 | 38 | 40 | 41 | 40 | 41 | 40 | 37 | 32 | 32 | 34 | 34 | 34 | 33 | 41 | 22 | 32.7 |
| 202 | 32 | 33 | 31 | 29 | 28 | 30 | 33 | 33 | 35 | 37 | 37 | 38 | 39 | 39 | 40 | 37 | 35 | 35 | 30 | 26 | 26 | 27 | 40 | 26 | 32.7 | | |
| 203 | 23 | 24 | 23 | 24 | 24 | 25 | 27 | 28 | 30 | 31 | 33 | 34 | 35 | 36 | 30 | 34 | 34 | 33 | 31 | 31 | 31 | 29 | 28 | 27 | 36 | 23 | 29.4 |
| 204 | 26 | 26 | 25 | 25 | 26 | 27 | 29 | 31 | 33 | 35 | 36 | 37 | 37 | 37 | 37 | 37 | 36 | 34 | 31 | 29 | 27 | 26 | 26 | 37 | 25 | 31.3 | |
| 205 | 25 | 25 | 26 | 25 | 25 | 27 | 29 | 32 | 34 | 36 | 37 | 38 | 39 | 40 | 40 | 40 | 39 | 37 | 36 | 34 | 33 | 31 | 30 | 27 | 40 | 25 | 32.3 |
| 206 | 28 | 27 | 26 | 26 | 25 | 28 | 31 | 30 | 31 | 34 | 35 | 36 | 37 | 37 | 38 | 37 | 38 | 36 | 35 | 32 | 31 | 28 | 28 | 27 | 38 | 25 | 31.7 |
| 207 | 26 | 27 | 26 | 26 | 24 | 25 | 27 | 29 | 32 | 33 | 34 | 33 | 32 | 34 | 31 | 33 | 33 | 32 | 31 | 29 | 28 | 28 | 28 | 34 | 24 | 29.7 | |
| 208 | 27 | 26 | 26 | 27 | 27 | 27 | 28 | 29 | 30 | 32 | 33 | 32 | 34 | 35 | 35 | 35 | 33 | 33 | 32 | 30 | 29 | 28 | 27 | 27 | 35 | 26 | 30.1 |
| 209 | 27 | 26 | 25 | 25 | 26 | 29 | 31 | 32 | 34 | 35 | 36 | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 32 | 30 | 29 | 28 | 27 | 36 | 25 | 31.2 |
| 210 | 28 | 27 | 26 | 26 | 25 | 24 | 29 | 31 | 33 | 35 | 37 | 38 | 39 | 39 | 40 | 40 | 38 | 39 | 36 | 34 | 32 | 32 | 33 | 31 | 40 | 24 | 33.0 |
| 211 | 27 | 25 | 26 | 25 | 26 | 27 | 29 | 31 | 32 | 35 | 35 | 34 | 35 | 36 | 37 | 35 | 35 | 33 | 32 | 31 | 33 | 33 | 31 | 37 | 25 | 31.2 | |
| 212 | 29 | 27 | 27 | 27 | 26 | 27 | 28 | 31 | 32 | 35 | 36 | 37 | 37 | 39 | 37 | 36 | 36 | 35 | 32 | 31 | 31 | 29 | 28 | 28 | 39 | 26 | 31.7 |
| 213 | 27 | 27 | 26 | 25 | 27 | 28 | 30 | 32 | 34 | 36 | 36 | 37 | 38 | 39 | 38 | 37 | 36 | 33 | 31 | 29 | 28 | 29 | 28 | 39 | 25 | 31.6 | |
| 214 | 27 | 26 | 25 | 25 | 24 | 27 | 30 | 34 | 36 | 38 | 37 | 37 | 39 | 40 | 41 | 40 | 38 | 37 | 34 | 35 | 31 | 30 | 31 | 34 | 41 | 24 | 33.2 |
| 215 | 33 | 33 | 29 | 27 | 27 | 28 | 29 | 28 | 27 | 26 | 26 | 27 | 27 | 29 | 30 | 30 | 29 | 28 | 27 | 27 | 27 | 25 | 24 | 24 | 33 | 24 | 27.8 |
| 216 | 24 | 25 | 24 | 25 | 26 | 27 | 30 | 32 | 35 | 36 | 37 | 38 | 36 | 35 | 37 | 37 | 37 | 36 | 32 | 30 | 29 | 30 | 28 | 30 | 38 | 24 | 31.5 |
| 217 | 29 | 29 | 28 | 27 | 26 | 27 | 27 | 28 | 30 | 33 | 35 | 35 | 36 | 35 | 34 | 33 | 33 | 31 | 30 | 31 | 30 | 28 | 28 | 36 | 26 | 30.2 | |
| 218 | 26 | 25 | 25 | 24 | 27 | 29 | 31 | 33 | 34 | 35 | 36 | 35 | 36 | 38 | 37 | 35 | 34 | 33 | 32 | 29 | 28 | 27 | 27 | 38 | 24 | 30.9 | |
| 219 | 25 | 25 | 24 | 24 | 24 | 27 | 30 | 32 | 34 | 35 | 36 | 37 | 38 | 37 | 37 | 36 | 33 | 32 | 30 | 28 | 27 | 26 | 28 | 38 | 24 | 30.5 | |
| 220 | 27 | 26 | 25 | 24 | 26 | 27 | 29 | 32 | 32 | 34 | 36 | 37 | 37 | 38 | 37 | 37 | 36 | 33 | 31 | 30 | 30 | 31 | 29 | 27 | 38 | 24 | 31.3 |
| 221 | 26 | 24 | 24 | 23 | 24 | 25 | 29 | 31 | 32 | 31 | 31 | 32 | 35 | 38 | 38 | 38 | 40 | 40 | 36 | 32 | 34 | 32 | 30 | 32 | 40 | 23 | 30.6 |
| 222 | 28 | 28 | 27 | 26 | 29 | 31 | 34 | 33 | 34 | 34 | 34 | 36 | 36 | 37 | 36 | 37 | 34 | 33 | 32 | 30 | 29 | 29 | 29 | 37 | 26 | 31.5 | |
| 223 | 25 | 24 | 24 | 23 | 24 | 25 | 29 | 31 | 33 | 33 | 34 | 35 | 36 | 36 | 37 | 36 | 37 | 36 | 32 | 31 | 29 | 27 | 26 | 28 | 37 | 23 | 29.7 |
| 224 | 26 | 25 | 26 | 25 | 26 | 30 | 31 | 33 | 34 | 35 | 36 | 36 | 37 | 37 | 38 | 37 | 37 | 35 | 32 | 31 | 30 | 29 | 28 | 38 | 25 | 31.3 | |
| 225 | 27 | 27 | 27 | 25 | 27 | 28 | 31 | 32 | 35 | 36 | 37 | 38 | 38 | 39 | 40 | 41 | 40 | 39 | 36 | 34 | 33 | 32 | 30 | 32 | 41 | 25 | 33.6 |
| 226 | 29 | 27 | 26 | 26 | 27 | 28 | 30 | 30 | 32 | 34 | 35 | 37 | 38 | 40 | 39 | 34 | 32 | 34 | 31 | 30 | 29 | 27 | 28 | 27 | 40 | 26 | 31.3 |
| 227 | 25 | 25 | 24 | 24 | 22 | 21 | 25 | 28 | 30 | 33 | 34 | 36 | 36 | 37 | 37 | 37 | 36 | 33 | 34 | 30 | 28 | 28 | 27 | 37 | 21 | 30.3 | |
| 228 | 25 | 23 | 24 | 24 | 23 | 22 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 36 | 35 | 35 | 33 | 29 | 30 | 28 | 27 | 26 | 37 | 22 | 29.7 |
| 229 | 25 | 23 | 23 | 21 | 23 | 25 | 26 | 28 | 29 | 31 | 32 | 34 | 34 | 34 | 35 | 34 | 35 | 34 | 33 | 30 | 28 | 28 | 26 | 25 | 35 | 21 | 29.0 |
| 230 | 24 | 23 | 23 | 22 | 23 | 24 | 27 | 30 | 32 | 33 | 35 | 36 | 36 | 37 | 37 | 38 | 37 | 35 | 35 | 32 | 30 | 29 | 27 | 26 | 38 | 22 | 29.8 |
| 231 | 24 | 23 | 22 | 22 | 21 | 22 | 28 | 28 | 30 | 32 | 35 | 36 | 37 | 38 | 38 | 37 | 38 | 37 | 35 | 35 | 32 | 31 | 29 | 31 | 38 | 21 | 30.9 |
| 232 | 29 | 28 | 26 | 26 | 23 | 24 | 27 | 28 | 30 | 33 | 34 | 36 | 38 | 39 | 40 | 39 | 38 | 38 | 36 | 33 | 30 | 29 | 28 | 25 | 40 | 23 | 31.5 |
| 233 | 25 | 24 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |

Table 1.--Hourly temperatures for Phoenix, 1967--Continued

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER | | | | |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|-----|-----|------|----|----|------|------|
| 240 | 27 | 30 | 27 | 27 | 25 | 25 | 28 | 30 | 33 | 35 | 36 | 37 | 39 | 40 | 39 | 38 | 38 | 38 | 35 | 33 | 32 | 34 | 33 | 40 | 25 | 33.0 | |
| 241 | 30 | 28 | 26 | 27 | 25 | 25 | 28 | 31 | 33 | 36 | 37 | 38 | 39 | 40 | 40 | 39 | 38 | 37 | 35 | 32 | 30 | 28 | 27 | 28 | 40 | 25 | 32.4 |
| 242 | 26 | 25 | 25 | 27 | 23 | 25 | 27 | 28 | 29 | 28 | 30 | 31 | 31 | 33 | 37 | 37 | 37 | 36 | 34 | 31 | 29 | 28 | 29 | 30 | 37 | 23 | 29.8 |
| 243 | 29 | 26 | 26 | 28 | 25 | 28 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 35 | 34 | 33 | 32 | 29 | 30 | 30 | 29 | 27 | 28 | 36 | 25 | 30.2 | |
| 244 | 28 | 28 | 27 | 26 | 24 | 24 | 26 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | 29 | 29 | 30 | 28 | 27 | 27 | 26 | 25 | 25 | 30 | 24 | 27.2 | |
| 245 | 26 | 25 | 25 | 24 | 24 | 23 | 23 | 24 | 26 | 27 | 29 | 30 | 29 | 29 | 27 | 25 | 24 | 23 | 23 | 22 | 22 | 22 | 22 | 30 | 22 | 24.8 | |
| 246 | 22 | 22 | 22 | 22 | 22 | 22 | 24 | 25 | 27 | 28 | 29 | 30 | 31 | 31 | 32 | 30 | 28 | 26 | 25 | 24 | 23 | 23 | 23 | 32 | 22 | 25.5 | |
| 247 | 22 | 22 | 22 | 22 | 21 | 22 | 25 | 28 | 29 | 31 | 32 | 33 | 34 | 34 | 35 | 34 | 33 | 32 | 29 | 27 | 27 | 26 | 26 | 26 | 35 | 21 | 28.0 |
| 248 | 26 | 26 | 24 | 23 | 23 | 22 | 22 | 23 | 26 | 29 | 31 | 33 | 34 | 35 | 34 | 32 | 32 | 31 | 28 | 27 | 27 | 26 | 25 | 24 | 35 | 22 | 27.7 |
| 249 | 23 | 22 | 22 | 22 | 23 | 26 | 29 | 31 | 32 | 34 | 35 | 35 | 31 | 34 | 32 | 32 | 31 | 28 | 26 | 24 | 25 | 24 | 23 | 35 | 22 | 27.7 | |
| 250 | 23 | 22 | 21 | 21 | 21 | 24 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 35 | 36 | 35 | 34 | 33 | 31 | 28 | 27 | 26 | 25 | 25 | 36 | 21 | 28.7 |
| 251 | 24 | 24 | 25 | 24 | 22 | 23 | 26 | 29 | 31 | 33 | 34 | 35 | 35 | 35 | 35 | 35 | 34 | 33 | 30 | 27 | 27 | 26 | 25 | 23 | 35 | 22 | 29.0 |
| 252 | 23 | 22 | 22 | 21 | 21 | 21 | 26 | 29 | 31 | 34 | 35 | 36 | 37 | 37 | 37 | 36 | 35 | 33 | 31 | 30 | 29 | 28 | 28 | 28 | 37 | 21 | 29.6 |
| 253 | 27 | 26 | 25 | 23 | 22 | 22 | 26 | 30 | 32 | 34 | 35 | 36 | 36 | 36 | 37 | 36 | 35 | 33 | 29 | 28 | 26 | 25 | 26 | 26 | 37 | 22 | 29.6 |
| 254 | 26 | 23 | 22 | 21 | 21 | 22 | 22 | 27 | 28 | 30 | 33 | 34 | 36 | 36 | 37 | 36 | 35 | 33 | 30 | 29 | 28 | 26 | 25 | 25 | 37 | 21 | 29.1 |
| 255 | 24 | 23 | 22 | 23 | 21 | 22 | 27 | 30 | 32 | 34 | 35 | 36 | 37 | 36 | 37 | 35 | 34 | 32 | 30 | 29 | 28 | 26 | 24 | 23 | 37 | 21 | 29.2 |
| 256 | 23 | 22 | 21 | 21 | 20 | 21 | 26 | 28 | 32 | 34 | 35 | 36 | 36 | 36 | 35 | 35 | 32 | 29 | 28 | 27 | 27 | 24 | 22 | 36 | 20 | 28.6 | |
| 257 | 20 | 21 | 19 | 20 | 20 | 22 | 25 | 28 | 30 | 32 | 33 | 35 | 35 | 35 | 35 | 35 | 33 | 30 | 25 | 23 | 20 | 19 | 17 | 17 | 35 | 17 | 26.2 |
| 258 | 16 | 15 | 16 | 14 | 14 | 15 | 19 | 21 | 25 | 28 | 31 | 33 | 34 | 35 | 35 | 34 | 34 | 32 | 27 | 25 | 21 | 19 | 18 | 19 | 35 | 14 | 24.2 |
| 259 | 17 | 16 | 17 | 16 | 16 | 15 | 18 | 22 | 27 | 30 | 31 | 34 | 35 | 35 | 36 | 36 | 34 | 33 | 28 | 26 | 24 | 21 | 22 | 21 | 36 | 15 | 25.4 |
| 260 | 20 | 19 | 17 | 18 | 19 | 17 | 21 | 26 | 28 | 31 | 33 | 34 | 35 | 36 | 36 | 35 | 35 | 33 | 29 | 26 | 26 | 25 | 24 | 21 | 36 | 17 | 26.8 |
| 261 | 20 | 19 | 18 | 18 | 16 | 18 | 21 | 24 | 28 | 30 | 32 | 33 | 34 | 34 | 35 | 35 | 33 | 31 | 27 | 26 | 25 | 24 | 22 | 21 | 35 | 16 | 26.0 |
| 262 | 20 | 19 | 19 | 19 | 17 | 18 | 21 | 23 | 27 | 29 | 30 | 33 | 32 | 33 | 32 | 32 | 31 | 29 | 27 | 25 | 24 | 23 | 22 | 21 | 33 | 17 | 25.2 |
| 263 | 20 | 18 | 19 | 17 | 17 | 18 | 22 | 23 | 26 | 31 | 33 | 34 | 35 | 36 | 36 | 37 | 36 | 34 | 30 | 27 | 26 | 25 | 24 | 24 | 37 | 17 | 27.0 |
| 264 | 23 | 23 | 22 | 21 | 20 | 21 | 24 | 28 | 31 | 31 | 33 | 35 | 37 | 39 | 39 | 39 | 36 | 34 | 31 | 30 | 30 | 28 | 28 | 26 | 39 | 20 | 29.5 |
| 265 | 25 | 25 | 25 | 25 | 22 | 24 | 30 | 32 | 35 | 36 | 37 | 38 | 40 | 39 | 37 | 36 | 35 | 32 | 31 | 29 | 28 | 26 | 26 | 26 | 40 | 22 | 30.7 |
| 266 | 25 | 24 | 23 | 21 | 21 | 23 | 27 | 31 | 34 | 37 | 38 | 38 | 38 | 38 | 37 | 34 | 30 | 33 | 31 | 29 | 29 | 27 | 27 | 38 | 21 | 30.0 | |
| 267 | 25 | 24 | 22 | 21 | 22 | 21 | 25 | 31 | 32 | 34 | 36 | 38 | 39 | 36 | 33 | 31 | 29 | 28 | 27 | 27 | 26 | 25 | 23 | 23 | 39 | 21 | 28.2 |
| 268 | 23 | 21 | 19 | 19 | 19 | 19 | 23 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 34 | 34 | 32 | 31 | 27 | 24 | 25 | 24 | 22 | 21 | 35 | 19 | 26.6 |
| 269 | 20 | 20 | 20 | 19 | 19 | 19 | 23 | 26 | 29 | 31 | 32 | 33 | 34 | 34 | 35 | 34 | 32 | 30 | 28 | 26 | 25 | 24 | 24 | 22 | 35 | 19 | 26.6 |
| 270 | 22 | 20 | 20 | 21 | 22 | 22 | 20 | 24 | 29 | 30 | 32 | 33 | 34 | 35 | 35 | 35 | 32 | 30 | 29 | 27 | 25 | 24 | 22 | 21 | 35 | 20 | 27.5 |
| 271 | 21 | 21 | 20 | 21 | 19 | 24 | 25 | 29 | 30 | 32 | 33 | 34 | 35 | 34 | 34 | 32 | 30 | 26 | 24 | 24 | 23 | 22 | 21 | 35 | 19 | 26.4 | |
| 272 | 21 | 20 | 20 | 19 | 20 | 20 | 22 | 26 | 28 | 31 | 33 | 34 | 35 | 37 | 38 | 37 | 35 | 31 | 28 | 27 | 25 | 24 | 22 | 22 | 38 | 19 | 27.3 |
| 273 | 24 | 22 | 21 | 21 | 19 | 19 | 23 | 28 | 30 | 32 | 34 | 35 | 36 | 36 | 37 | 36 | 36 | 35 | 33 | 31 | 30 | 29 | 27 | 26 | 37 | 19 | 28.7 |
| 274 | 25 | 23 | 22 | 21 | 21 | 23 | 25 | 28 | 31 | 33 | 35 | 35 | 36 | 35 | 37 | 36 | 33 | 31 | 30 | 29 | 28 | 26 | 26 | 37 | 21 | 28.9 | |
| 275 | 23 | 22 | 22 | 22 | 21 | 20 | 20 | 25 | 28 | 29 | 31 | 32 | 34 | 35 | 35 | 34 | 33 | 31 | 29 | 27 | 25 | 25 | 25 | 24 | 35 | 20 | 27.7 |
| 276 | 24 | 21 | 21 | 20 | 20 | 21 | 20 | 21 | 21 | 22 | 23 | 23 | 24 | 26 | 26 | 24 | 22 | 22 | 22 | 20 | 20 | 20 | 19 | 26 | 19 | 21.9 | |
| 277 | 19 | 18 | 18 | 17 | 17 | 17 | 18 | 22 | 26 | 28 | 29 | 31 | 32 | 32 | 32 | 32 | 32 | 28 | 26 | 24 | 22 | 22 | 21 | 20 | 32 | 17 | 23.8 |
| 278 | 20 | 20 | 19 | 19 | 18 | 20 | 23 | 25 | 28 | 30 | 32 | 33 | 34 | 35 | 34 | 34 | 32 | 28 | 25 | 24 | 23 | 23 | 21 | 20 | 35 | 18 | 25.8 |
| 279 | 19 | 19 | 18 | 17 | 16 | 16 | 19 | 23 | 25 | 27 | 29 | 31 | 32 | 32 | 31 | 30 | 26 | 23 | 21 | 19 | 16 | 15 | 15 | 14 | 32 | 14 | 22.2 |
| 280 | 16 | 14 | 11 | 11 | 15 | 16 | 20 | 26 | 28 | 31 | 32 | 32 | 31 | 32 | 30 | 25 | 22 | 20 | 17 | 16 | 17 | 14 | 15 | 32 | 11 | 21.7 | |
| 281 | 17 | 14 | 11 | 12 | 11 | 15 | 20 | 24 | 27 | 30 | 31 | 32 | 33 | 33 | 33 | 31 | 25 | 22 | 19 | 18 | 15 | 16 | 13 | 16 | 33 | 11 | 21.6 |
| 282 | 13 | 11 | 12 | 12 | 13 | 14 | 18 | 20 | 22 | 26 | 28 | 31 | 32 | 34 | 32 | 31 | 31 | 26 | 23 | 20 | 17 | 16 | 17 | 16 | 34 | 11 | 21.5 |
| 283 | 13 | 12 | 12 | 12 | 11 | 13 | 16 | 21 | 24 | 27 | 29 | 31 | 32 | 34 | 33 | 33 | 29 | 25 | 21 | 20 | 18 | 18 | 20 | 15 | 34 | 11 | 21.6 |
| 284 | 16 | 15 | 15 | 13 | 14 | 14 | 17 | 23 | 26 | 29 | 31 | 32 | 33 | 34 | 33 | 33 | 31 | 26 | 23 | 21 | 20 | 19 | 18 | 18 | 34 | 13 | 23.1 |
| 285 | 17 | 17 | 14 | 15 | 16 | 20 | 24 | 26 | 28 | 30 | 32 | 33 | 34 | 35 | 34 | 32 | 27 | 25 | 23 | 21 | 21 | 18 | 17 | 35 | 14 | 24.0 | |
| 286 | 17 | 15 | 13 | 15 | 15 | 14 | 16 | 21 | 25 | 27 | 30 | 33 | 34 | 35 | 35 | 34 | 31 | 27 | 25 | 22 | 19 | 18 | 18 | 17 | 35 | 13 | 23.2 |
| 287 | 16 | 18 | 15 | 15 | 14 | 14 | 19 | 23 | 27 | 29 | 31 | 33 | 35 | 35 | 35 | 34 | 32 | 27 | 26 | 25 | 20 | 20 | 18 | 18 | 35 | 14 | 24.1 |
| 288 | 16 | 17 | 16 | 15 | 16 | 14 | 17 | 22 | 26 | 29 | 30 | 31 | 32 | 34 | 35 | 34 | 31 | 26 | 24 | 20 | 20 | 16 | 15 | 13 | 35 | 13 | 22.9 |
| 289 | 12 | 13 | 11 | 14 | 13 | 17 | 19 | 23 | 26 | 27 | 29 | 30 | 30 | 31 | 31 | 30 | 23 | 20 | 18 | 16 | 15 | 15 | 14 | 31 | 11 | 21.1 | |
| 290 | 13 | 12 | 13 | 11 | 10 | 12 | 17 | 20 | 24 | 28 | 30 | 32 | 33 | 34 | 34 | 33 | 31 | 25 | 20 | 19 | 18 | 18 | 17 | 17 | 34 | 10 | 21.7 |
| 291 | 18 | 16 | 15 | 14 | 19 | 24 | 28 | 31 | 33 | 34 | 34 | 35 | 35 | 33 | 29 | 24 | 20 | 19 | 18 | 17 | 16 | 14 | 14 | 35 | 14 | 23.3 | |
| 292 | 14 | 12 | 11 | 15 | 14 | 15 | 19 | 22 | 26 | 29 | 30 | 32 | 33 | 34 | 33 | 30 | 24 | 23 | 20 | 16 | 16 | 16 | 16 | 34 | 11 | 22.2 | |
| 293 | 14 | 13 | 11 | 11 | 14 | 12 | 15 | 22 | 24 | 26 | 30 | 32 | 33 | 34 | 35 | 35 | 31 | 24 | 21 | 20 | 17 | 16 | 19 | 15 | 35 | 11 | 21.8 |
| 294 | 14 | 12 | 13 | 12 | 13 | 15 | 16 | 21 | 24 | 27 | 29 | 31 | 33 | 34 | 34 | 33 | 30 | 25 | 22 | 21 | 18 | 17 | 16 | 18 | 34 | 12 | 22.0 |
| 295 | 19 | 17 | 15 | 16 | 16 | 16 | 17 | 20 | 24 | 26 | 28 | 30 | 31 | 32 | 32 | 32 | 29 | 24 | 21 | 20 | 18 | 17 | 16 | 15 | 32 | 15 | 22.1 |
| 296 | 15 | 13 | 13 | 13 | 13 | 12 | 13 | 16 | 20 | 24 | 27 | 29 | 31 | 32 | 31 | 29 | 24 | 20 | 19 | 17 | 15 | 15 | 15 | 32 | 12 | 20.3 | |
| 297 | 14 | 13 | 12 | 11 | 11 | 12 | 13 | 18 | 22 | 24 | 27 | 29 | 31 | 32 | 32 | 32 | 29 | 24 | 21 | 19</ | | | | | | | |

Table 1.--Hourly temperatures for Phoenix, 1967--Continued

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|------|
| 305 | 10 | 10 | 10 | 8 | 8 | 7 | 9 | 15 | 19 | 21 | 24 | 26 | 27 | 28 | 29 | 29 | 25 | 19 | 18 | 15 | 14 | 13 | 12 | 11 | 29 | 7 | 17.0 |
| 306 | 10 | 10 | 9 | 9 | 8 | 10 | 14 | 19 | 22 | 24 | 26 | 28 | 29 | 28 | 28 | 26 | 21 | 18 | 15 | 15 | 14 | 14 | 12 | 29 | 8 | 17.4 | |
| 307 | 13 | 11 | 10 | 10 | 11 | 14 | 14 | 18 | 22 | 23 | 26 | 27 | 28 | 29 | 28 | 25 | 19 | 17 | 15 | 12 | 13 | 12 | 11 | 29 | 10 | 18.2 | |
| 308 | 11 | 10 | 10 | 9 | 11 | 11 | 12 | 16 | 19 | 22 | 24 | 25 | 27 | 28 | 29 | 29 | 26 | 21 | 17 | 16 | 16 | 15 | 15 | 29 | 9 | 18.1 | |
| 309 | 15 | 12 | 12 | 13 | 13 | 13 | 12 | 15 | 19 | 23 | 25 | 26 | 27 | 28 | 29 | 28 | 25 | 22 | 22 | 20 | 19 | 19 | 18 | 17 | 29 | 12 | 19.7 |
| 310 | 17 | 16 | 17 | 16 | 15 | 16 | 17 | 15 | 22 | 23 | 26 | 28 | 29 | 28 | 28 | 28 | 26 | 21 | 18 | 19 | 20 | 20 | 17 | 16 | 29 | 15 | 20.7 |
| 311 | 14 | 12 | 14 | 12 | 12 | 12 | 13 | 18 | 22 | 24 | 25 | 26 | 27 | 28 | 27 | 27 | 25 | 20 | 16 | 15 | 15 | 15 | 14 | 13 | 28 | 12 | 18.6 |
| 312 | 11 | 14 | 11 | 12 | 12 | 12 | 13 | 18 | 22 | 24 | 26 | 27 | 28 | 28 | 28 | 25 | 19 | 17 | 16 | 14 | 13 | 15 | 13 | 28 | 11 | 18.6 | |
| 313 | 13 | 11 | 14 | 14 | 12 | 13 | 13 | 17 | 21 | 24 | 26 | 27 | 27 | 28 | 28 | 27 | 24 | 19 | 16 | 15 | 12 | 12 | 11 | 10 | 28 | 10 | 18.1 |
| 314 | 10 | 9 | 7 | 8 | 9 | 7 | 10 | 12 | 17 | 21 | 23 | 25 | 27 | 29 | 28 | 27 | 24 | 19 | 16 | 14 | 13 | 12 | 11 | 11 | 29 | 7 | 16.2 |
| 315 | 10 | 9 | 9 | 8 | 8 | 9 | 14 | 19 | 22 | 25 | 27 | 29 | 31 | 31 | 31 | 31 | 27 | 21 | 20 | 17 | 15 | 14 | 12 | 14 | 31 | 8 | 18.0 |
| 316 | 15 | 16 | 12 | 11 | 10 | 14 | 15 | 19 | 23 | 26 | 30 | 31 | 33 | 34 | 33 | 33 | 28 | 24 | 21 | 20 | 19 | 19 | 16 | 14 | 34 | 10 | 21.5 |
| 317 | 15 | 14 | 12 | 12 | 13 | 13 | 13 | 16 | 22 | 25 | 29 | 30 | 31 | 32 | 33 | 32 | 30 | 22 | 17 | 15 | 16 | 15 | 13 | 12 | 33 | 12 | 20.1 |
| 318 | 15 | 16 | 10 | 11 | 13 | 12 | 14 | 17 | 19 | 23 | 26 | 29 | 30 | 31 | 32 | 31 | 28 | 22 | 19 | 16 | 15 | 13 | 12 | 11 | 32 | 10 | 19.4 |
| 319 | 10 | 10 | 10 | 12 | 9 | 10 | 9 | 12 | 16 | 21 | 25 | 27 | 29 | 30 | 31 | 31 | 27 | 21 | 16 | 16 | 13 | 12 | 13 | 11 | 31 | 9 | 17.5 |
| 320 | 10 | 11 | 10 | 14 | 12 | 12 | 10 | 15 | 17 | 19 | 21 | 23 | 25 | 26 | 27 | 27 | 24 | 19 | 17 | 16 | 14 | 15 | 13 | 12 | 27 | 13 | 17.0 |
| 321 | 12 | 11 | 10 | 10 | 8 | 9 | 10 | 13 | 18 | 22 | 24 | 26 | 27 | 29 | 29 | 29 | 27 | 21 | 18 | 15 | 15 | 15 | 14 | 13 | 29 | 8 | 17.7 |
| 322 | 12 | 11 | 10 | 9 | 11 | 11 | 12 | 16 | 19 | 22 | 24 | 26 | 28 | 29 | 30 | 29 | 27 | 21 | 19 | 17 | 15 | 16 | 14 | 12 | 30 | 9 | 18.3 |
| 323 | 13 | 13 | 12 | 12 | 8 | 10 | 11 | 14 | 18 | 21 | 24 | 25 | 27 | 27 | 27 | 26 | 24 | 23 | 22 | 20 | 17 | 18 | 15 | 12 | 27 | 8 | 18.3 |
| 324 | 11 | 12 | 11 | 11 | 10 | 9 | 9 | 11 | 16 | 19 | 21 | 23 | 24 | 24 | 25 | 24 | 23 | 19 | 16 | 14 | 14 | 12 | 13 | 11 | 25 | 9 | 15.9 |
| 325 | 11 | 10 | 11 | 10 | 10 | 10 | 10 | 13 | 15 | 17 | 20 | 22 | 23 | 23 | 23 | 22 | 21 | 19 | 18 | 17 | 15 | 14 | 14 | 14 | 23 | 10 | 16.0 |
| 326 | 14 | 14 | 13 | 14 | 14 | 14 | 14 | 14 | 15 | 17 | 18 | 19 | 19 | 21 | 21 | 20 | 18 | 16 | 15 | 15 | 13 | 12 | 13 | 12 | 21 | 12 | 15.6 |
| 327 | 11 | 11 | 11 | 12 | 11 | 11 | 11 | 13 | 14 | 16 | 17 | 18 | 20 | 19 | 19 | 18 | 17 | 15 | 14 | 13 | 12 | 11 | 11 | 10 | 20 | 10 | 14.0 |
| 328 | 10 | 9 | 9 | 8 | 9 | 9 | 8 | 12 | 15 | 17 | 19 | 20 | 21 | 21 | 22 | 21 | 20 | 16 | 14 | 13 | 11 | 11 | 11 | 9 | 22 | 8 | 14.0 |
| 329 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 12 | 16 | 18 | 19 | 21 | 22 | 23 | 23 | 23 | 21 | 17 | 14 | 13 | 12 | 11 | 11 | 10 | 23 | 7 | 14.2 |
| 330 | 11 | 11 | 10 | 10 | 11 | 11 | 12 | 14 | 16 | 19 | 20 | 23 | 24 | 25 | 24 | 24 | 23 | 21 | 19 | 19 | 18 | 16 | 16 | 15 | 25 | 10 | 17.2 |

Table 2.--Hourly temperatures for Safford, 1967

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|------|
| 138 | 17 | 16 | 17 | 15 | 14 | 14 | 18 | 21 | 26 | 26 | 29 | 31 | 32 | 33 | 31 | 30 | 29 | 28 | 24 | 22 | 18 | 15 | 14 | 12 | 33 | 12 | 22.2 |
| 139 | 13 | 12 | 12 | 12 | 11 | 11 | 15 | 19 | 23 | 27 | 31 | 32 | 33 | 34 | 34 | 33 | 32 | 30 | 28 | 27 | 24 | 21 | 18 | 17 | 34 | 11 | 22.9 |
| 140 | 15 | 14 | 12 | 12 | 11 | 13 | 19 | 24 | 27 | 30 | 31 | 33 | 34 | 35 | 35 | 34 | 34 | 33 | 30 | 25 | 24 | 22 | 18 | 15 | 35 | 11 | 24.2 |
| 141 | 14 | 16 | 21 | 20 | 19 | 19 | 20 | 22 | 24 | 26 | 27 | 29 | 30 | 31 | 32 | 33 | 33 | 32 | 29 | 23 | 23 | 18 | 20 | 18 | 33 | 14 | 24.1 |
| 142 | 19 | 18 | 16 | 15 | 14 | 15 | 21 | 25 | 27 | 28 | 30 | 32 | 33 | 34 | 33 | 33 | 32 | 31 | 31 | 26 | 23 | 21 | 18 | 16 | 34 | 14 | 24.6 |
| 143 | 15 | 15 | 18 | 17 | 17 | 16 | 21 | 26 | 29 | 31 | 33 | 34 | 35 | 36 | 36 | 35 | 35 | 32 | 29 | 28 | 27 | 25 | 23 | 20 | 36 | 15 | 25.7 |
| 144 | 20 | 20 | 23 | 23 | 23 | 21 | 21 | 22 | 26 | 27 | 29 | 30 | 31 | 32 | 33 | 31 | 22 | 18 | 17 | 17 | 16 | 16 | 15 | 33 | 15 | 22.9 | |
| 145 | 15 | 14 | 14 | 14 | 13 | 14 | 16 | 17 | 16 | 14 | 16 | 19 | 21 | 24 | 24 | 26 | 26 | 22 | 21 | 19 | 18 | 14 | 13 | 12 | 24 | 12 | 16.7 |
| 146 | 11 | 11 | 12 | 10 | 10 | 10 | 13 | 19 | 21 | 24 | 26 | 29 | 29 | 30 | 31 | 31 | 31 | 28 | 25 | 23 | 21 | 20 | 18 | 16 | 31 | 10 | 20.8 |
| 147 | 15 | 14 | 13 | 12 | 11 | 14 | 21 | 24 | 27 | 29 | 30 | 31 | 32 | 33 | 32 | 31 | 31 | 29 | 27 | 25 | 24 | 24 | 22 | 20 | 33 | 11 | 23.8 |
| 148 | 19 | 17 | 16 | 12 | 13 | 14 | 18 | 23 | 26 | 27 | 28 | 29 | 30 | 31 | 31 | 31 | 29 | 27 | 23 | 21 | 20 | 20 | 18 | 20 | 31 | 12 | 22.6 |
| 149 | 19 | 16 | 16 | 13 | 11 | 13 | 19 | 22 | 25 | 26 | 26 | 27 | 28 | 29 | 29 | 28 | 27 | 25 | 24 | 22 | 21 | 22 | 19 | 18 | 29 | 11 | 21.9 |
| 150 | 17 | 17 | 16 | 15 | 16 | 17 | 18 | 19 | 22 | 22 | 21 | 21 | 23 | 24 | 24 | 25 | 24 | 23 | 21 | 19 | 17 | 15 | 13 | 12 | 25 | 12 | 19.3 |
| 151 | 10 | 12 | 11 | 11 | 10 | 16 | 20 | 21 | 23 | 24 | 25 | 26 | 28 | 29 | 30 | 29 | 29 | 27 | 27 | 25 | 20 | 20 | 17 | 15 | 30 | 10 | 20.5 |
| 152 | 13 | 13 | 17 | 15 | 18 | 21 | 22 | 24 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 31 | 30 | 26 | 23 | 21 | 21 | 20 | 17 | 32 | 13 | 22.9 | |
| 153 | 17 | 15 | 12 | 11 | 11 | 12 | 18 | 23 | 27 | 30 | 29 | 31 | 33 | 33 | 32 | 33 | 32 | 31 | 27 | 25 | 21 | 22 | 22 | 23 | 33 | 11 | 23.8 |
| 154 | 24 | 24 | 21 | 21 | 21 | 22 | 24 | 25 | 26 | 30 | 31 | 32 | 33 | 34 | 33 | 32 | 30 | 29 | 28 | 25 | 25 | 23 | 20 | 34 | 20 | 26.4 | |
| 155 | 18 | 18 | 18 | 18 | 17 | 21 | 23 | 27 | 25 | 27 | 27 | 31 | 31 | 32 | 30 | 31 | 30 | 29 | 28 | 25 | 23 | 23 | 22 | 32 | 17 | 24.8 | |
| 156 | 22 | 23 | 22 | 22 | 21 | 22 | 25 | 26 | 27 | 29 | 32 | 33 | 34 | 34 | 35 | 34 | 35 | 32 | 30 | 27 | 26 | 25 | 24 | 22 | 35 | 21 | 27.6 |
| 157 | 21 | 19 | 15 | 13 | 11 | 15 | 20 | 23 | 26 | 28 | 30 | 32 | 33 | 34 | 35 | 34 | 32 | 31 | 28 | 25 | 23 | 20 | 22 | 20 | 35 | 11 | 24.6 |
| 158 | 19 | 17 | 16 | 13 | 8 | 10 | 17 | 22 | 24 | 27 | 28 | 29 | 31 | 31 | 32 | 33 | 34 | 32 | 32 | 29 | 26 | 25 | 21 | 21 | 34 | 8 | 23.5 |
| 159 | 17 | 14 | 12 | 10 | 9 | 11 | 19 | 24 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 35 | 34 | 32 | 28 | 24 | 23 | 24 | 18 | 20 | 35 | 9 | 23.9 |
| 160 | 15 | 12 | 10 | 9 | 8 | 13 | 21 | 24 | 27 | 29 | 30 | 31 | 32 | 33 | 33 | 34 | 32 | 31 | 28 | 26 | 24 | 23 | 22 | 20 | 34 | 8 | 23.6 |
| 161 | 19 | 15 | 14 | 12 | 8 | 11 | 18 | 22 | 24 | 26 | 28 | 28 | 30 | 30 | 31 | 30 | 29 | 27 | 25 | 22 | 20 | 19 | 17 | 15 | 31 | 8 | 21.7 |
| 162 | 13 | 13 | 12 | 10 | 8 | 10 | 17 | 20 | 23 | 26 | 27 | 28 | 29 | 30 | 30 | 30 | 29 | 26 | 23 | 21 | 17 | 15 | 13 | 30 | 8 | 20.7 | |
| 163 | 11 | 12 | 10 | 10 | 9 | 10 | 18 | 24 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 32 | 31 | 29 | 26 | 25 | 23 | 22 | 20 | 33 | 9 | 22.8 |
| 164 | 22 | 19 | 16 | 18 | 19 | 21 | 23 | 25 | 26 | 28 | 30 | 31 | 31 | 31 | 32 | 33 | 32 | 31 | 29 | 27 | 26 | 25 | 23 | 22 | 33 | 16 | 25.8 |
| 165 | 21 | 20 | 19 | 17 | 16 | 16 | 20 | 23 | 25 | 27 | 28 | 29 | 30 | 30 | 31 | 30 | 30 | 29 | 26 | 24 | 23 | 22 | 20 | 20 | 31 | 16 | 24.0 |
| 166 | 19 | 18 | 13 | 12 | 11 | 15 | 19 | 21 | 23 | 26 | 28 | 29 | 30 | 31 | 31 | 31 | 32 | 31 | 29 | 26 | 24 | 22 | 19 | 18 | 32 | 11 | 23.2 |
| 167 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 2.--Hourly temperatures for Safford, 1967--Continued

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----|----|----|----|----|----|----|----|-----|------|------|
| 169 | 24 | 24 | 23 | 23 | 21 | 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 35 | 36 | 35 | 29 | 22 | 22 | 22 | 22 | 21 | 22 | 21 | 36 | 21 | 26.1 |
| 170 | 20 | 20 | 21 | 20 | 19 | 20 | 23 | 25 | 27 | 29 | 27 | 32 | 33 | 33 | 34 | 33 | 32 | 31 | 26 | 25 | 24 | 25 | 23 | 24 | 34 | 19 | 26.1 |
| 171 | 24 | 23 | 23 | 21 | 20 | 21 | 25 | 27 | 28 | 29 | 31 | 32 | 34 | 35 | 36 | 35 | 34 | 34 | 32 | 30 | 27 | 27 | 26 | 25 | 36 | 20 | 28.3 |
| 172 | 23 | 22 | 20 | 17 | 16 | 15 | 20 | 27 | 30 | 32 | 34 | 35 | 35 | 36 | 37 | 37 | 37 | 35 | 31 | 29 | 27 | 27 | 26 | 22 | 37 | 15 | 27.9 |
| 173 | 21 | 17 | 16 | 15 | 14 | 18 | 25 | 29 | 32 | 34 | 36 | 37 | 38 | 40 | 39 | 39 | 38 | 36 | 33 | 30 | 31 | 28 | 27 | 28 | 40 | 14 | 29.2 |
| 174 | 27 | 27 | 24 | 21 | 20 | 23 | 27 | 31 | 33 | 34 | 36 | 37 | 37 | 38 | 38 | 36 | 36 | 34 | 31 | 28 | 28 | 26 | 27 | 26 | 38 | 20 | 30.2 |
| 175 | 25 | 25 | 23 | 21 | 20 | 22 | 24 | 26 | 28 | 29 | 28 | 26 | 23 | 23 | 26 | 27 | 27 | 26 | 24 | 22 | 21 | 20 | 19 | 19 | 29 | 19 | 23.9 |
| 176 | 17 | 18 | 17 | 17 | 17 | 21 | 24 | 26 | 29 | 30 | 32 | 33 | 34 | 35 | 36 | 36 | 35 | 34 | 31 | 28 | 28 | 27 | 27 | 27 | 36 | 17 | 27.5 |
| 177 | 25 | 25 | 24 | 23 | 23 | 24 | 25 | 27 | 29 | 31 | 22 | 32 | 34 | 35 | 35 | 36 | 34 | 33 | 22 | 31 | 28 | 28 | 28 | 27 | 36 | 22 | 28.4 |
| 178 | 25 | 25 | 23 | 22 | 24 | 24 | 28 | 20 | 32 | 33 | 35 | 22 | 36 | 33 | 36 | 32 | 35 | 24 | 32 | 31 | 28 | 28 | 28 | 27 | 36 | 20 | 28.5 |
| 179 | 27 | 25 | 24 | 23 | 23 | 24 | 27 | 29 | 31 | 22 | 34 | 35 | 35 | 32 | 32 | 22 | 35 | 34 | 32 | 31 | 28 | 28 | 28 | 26 | 35 | 22 | 28.6 |
| 180 | 25 | 24 | 24 | 20 | 18 | 20 | 22 | 30 | 22 | 33 | 34 | 22 | 33 | 38 | 38 | 33 | 36 | 35 | 33 | 31 | 30 | 22 | 28 | 26 | 38 | 18 | 28.2 |
| 181 | 24 | 25 | 23 | 22 | 22 | 22 | 22 | 28 | 28 | 21 | 22 | 34 | 22 | 32 | 38 | 22 | 38 | 32 | 32 | 28 | 22 | 28 | 25 | 38 | 21 | 26.7 | |
| 182 | 23 | 22 | 24 | 23 | 21 | 23 | 38 | 31 | 23 | 24 | 35 | 32 | 28 | 40 | 41 | 40 | 39 | 23 | 22 | 32 | 31 | 20 | 22 | 24 | 41 | 20 | 28.4 |
| 183 | 24 | 22 | 20 | 18 | 18 | 22 | 29 | 22 | 34 | 35 | 38 | 38 | 41 | 42 | 42 | 42 | 40 | 40 | 37 | 34 | 33 | 32 | 28 | 26 | 42 | 18 | 31.5 |
| 184 | 28 | 22 | 22 | 22 | 21 | 25 | 29 | 22 | 34 | 35 | 26 | 33 | 38 | 39 | 38 | 37 | 32 | 31 | 29 | 28 | 28 | 26 | 22 | 24 | 39 | 21 | 28.8 |
| 185 | 24 | 23 | 22 | 20 | 19 | 24 | 27 | 31 | 32 | 33 | 35 | 35 | 36 | 38 | 37 | 37 | 34 | 32 | 31 | 30 | 28 | 26 | 27 | 26 | 38 | 19 | 29.5 |
| 186 | 25 | 27 | 26 | 25 | 24 | 25 | 25 | 27 | 28 | 30 | 32 | 33 | 35 | 36 | 37 | 38 | 35 | 32 | 28 | 26 | 27 | 28 | 24 | 25 | 38 | 24 | 29.1 |
| 187 | 27 | 26 | 25 | 24 | 24 | 23 | 26 | 29 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 36 | 35 | 34 | 28 | 28 | 25 | 25 | 23 | 23 | 37 | 23 | 29.1 |
| 188 | 24 | 24 | 22 | 22 | 22 | 23 | 22 | 24 | 23 | 27 | 28 | 29 | 27 | 29 | 29 | 27 | 25 | 25 | 25 | 24 | 24 | 22 | 22 | 21 | 29 | 21 | 24.6 |
| 189 | 21 | 20 | 19 | 19 | 19 | 18 | 20 | 22 | 26 | 28 | 30 | 32 | 33 | 34 | 35 | 35 | 35 | 34 | 33 | 32 | 30 | 28 | 23 | 23 | 35 | 18 | 27.0 |
| 190 | 23 | 23 | 23 | 23 | 23 | 23 | 25 | 26 | 28 | 30 | 32 | 32 | 34 | 35 | 36 | 36 | 35 | 32 | 26 | 23 | 23 | 23 | 21 | 36 | 21 | 27.3 | |
| 191 | 22 | 21 | 20 | 19 | 18 | 21 | 21 | 24 | 26 | 27 | 30 | 32 | 33 | 35 | 36 | 37 | 37 | 36 | 35 | 32 | 31 | 29 | 22 | 21 | 37 | 18 | 27.7 |
| 192 | 22 | 21 | 21 | 21 | 20 | 20 | 22 | 24 | 26 | 27 | 30 | 32 | 33 | 35 | 36 | 37 | 37 | 34 | 31 | 30 | 30 | 26 | 25 | 26 | 37 | 20 | 27.7 |
| 193 | 24 | 23 | 23 | 23 | 22 | 21 | 20 | 26 | 28 | 30 | 33 | 34 | 35 | 36 | 37 | 37 | 36 | 35 | 32 | 30 | 31 | 29 | 28 | 28 | 37 | 20 | 29.2 |
| 194 | 27 | 26 | 24 | 22 | 21 | 22 | 22 | 26 | 28 | 31 | 32 | 33 | 35 | 36 | 36 | 37 | 36 | 30 | 28 | 27 | 24 | 24 | 23 | 23 | 37 | 21 | 28.1 |
| 195 | 24 | 24 | 23 | 23 | 23 | 24 | 25 | 26 | 28 | 28 | 30 | 31 | 32 | 33 | 33 | 36 | 35 | 33 | 30 | 27 | 26 | 25 | 25 | 24 | 36 | 23 | 27.8 |
| 196 | 22 | 21 | 20 | 19 | 21 | 25 | 28 | 30 | 31 | 33 | 34 | 35 | 37 | 37 | 35 | 34 | 33 | 31 | 30 | 29 | 27 | 26 | 25 | 25 | 37 | 19 | 28.7 |
| 197 | 25 | 24 | 22 | 22 | 23 | 24 | 26 | 27 | 30 | 31 | 33 | 33 | 34 | 35 | 20 | 23 | 24 | 25 | 20 | 20 | 20 | 20 | 20 | 20 | 35 | 20 | 25.0 |
| 198 | 19 | 19 | 18 | 19 | 20 | 20 | 22 | 23 | 24 | 25 | 27 | 28 | 29 | 29 | 29 | 27 | 26 | 25 | 25 | 24 | 24 | 24 | 24 | 24 | 29 | 18 | 23.9 |
| 199 | 23 | 20 | 20 | 19 | 21 | 23 | 26 | 27 | 29 | 32 | 32 | 33 | 34 | 35 | 35 | 25 | 27 | 26 | 25 | 24 | 23 | 23 | 21 | 21 | 35 | 19 | 26.0 |
| 200 | 20 | 21 | 19 | 19 | 18 | 18 | 21 | 24 | 25 | 30 | 32 | 33 | 33 | 35 | 35 | 34 | 32 | 30 | 29 | 28 | 25 | 25 | 23 | 23 | 35 | 18 | 26.3 |
| 201 | 24 | 24 | 22 | 22 | 22 | 25 | 28 | 29 | 30 | 33 | 34 | 35 | 35 | 36 | 37 | 23 | 23 | 24 | 24 | 26 | 24 | 24 | 21 | 21 | 37 | 21 | 26.9 |
| 202 | 21 | 22 | 22 | 22 | 21 | 24 | 26 | 27 | 28 | 30 | 31 | 32 | 32 | 33 | 35 | 35 | 34 | 31 | 30 | 28 | 26 | 27 | 25 | 24 | 35 | 21 | 27.7 |
| 203 | 21 | 20 | 23 | 26 | 20 | 22 | 23 | 24 | 27 | 31 | 31 | 32 | 32 | 31 | 31 | 32 | 30 | 29 | 29 | 28 | 27 | 25 | 24 | 25 | 32 | 20 | 26.8 |
| 204 | 24 | 24 | 22 | 22 | 20 | 23 | 25 | 28 | 29 | 29 | 30 | 31 | 33 | 34 | 34 | 33 | 31 | 30 | 30 | 28 | 27 | 27 | 26 | 26 | 34 | 20 | 27.9 |
| 205 | 25 | 23 | 23 | 22 | 20 | 23 | 25 | 28 | 30 | 31 | 33 | 34 | 36 | 34 | 35 | 29 | 25 | 25 | 24 | 25 | 24 | 23 | 22 | 36 | 20 | 26.7 | |
| 206 | 22 | 24 | 22 | 20 | 20 | 24 | 25 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 36 | 35 | 33 | 32 | 30 | 30 | 29 | 29 | 28 | 26 | 36 | 20 | 28.6 |
| 207 | 25 | 26 | 23 | 23 | 23 | 25 | 26 | 28 | 32 | 33 | 33 | 34 | 33 | 31 | 30 | 31 | 31 | 29 | 29 | 28 | 27 | 26 | 25 | 34 | 23 | 28.1 | |
| 208 | 25 | 22 | 22 | 21 | 21 | 22 | 22 | 24 | 27 | 29 | 30 | 31 | 32 | 32 | 32 | 32 | 29 | 29 | 28 | 28 | 25 | 24 | 24 | 32 | 21 | 26.5 | |
| 209 | 23 | 22 | 22 | 21 | 22 | 22 | 23 | 25 | 27 | 29 | 30 | 31 | 32 | 33 | 33 | 33 | 33 | 32 | 30 | 28 | 28 | 28 | 27 | 26 | 33 | 21 | 27.5 |
| 210 | 25 | 22 | 22 | 21 | 21 | 20 | 23 | 25 | 29 | 29 | 30 | 31 | 33 | 34 | 34 | 36 | 27 | 27 | 25 | 26 | 25 | 23 | 22 | 36 | 20 | 26.3 | |
| 211 | 22 | 22 | 22 | 20 | 21 | 22 | 23 | 27 | 29 | 30 | 31 | 33 | 32 | 32 | 33 | 31 | 29 | 29 | 28 | 28 | 26 | 24 | 23 | 33 | 20 | 26.6 | |
| 212 | 22 | 21 | 20 | 20 | 21 | 23 | 26 | 28 | 30 | 31 | 32 | 33 | 32 | 33 | 33 | 28 | 27 | 27 | 26 | 25 | 25 | 24 | 23 | 33 | 20 | 26.5 | |
| 213 | 22 | 22 | 22 | 21 | 20 | 23 | 24 | 26 | 29 | 30 | 31 | 34 | 34 | 34 | 33 | 33 | 33 | 32 | 31 | 30 | 28 | 26 | 24 | 34 | 20 | 28.1 | |
| 214 | 24 | 25 | 24 | 23 | 23 | 22 | 25 | 27 | 29 | 30 | 33 | 34 | 35 | 38 | 37 | 36 | 35 | 30 | 30 | 27 | 26 | 26 | 24 | 38 | 22 | 28.7 | |
| 215 | 24 | 24 | 24 | 23 | 23 | 24 | 27 | 29 | 31 | 33 | 35 | 36 | 33 | 32 | 30 | 24 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 36 | 22 | 26.3 | |
| 216 | 21 | 21 | 20 | 21 | 21 | 24 | 26 | 27 | 24 | 25 | 25 | 25 | 29 | 30 | 31 | 28 | 28 | 28 | 24 | 22 | 22 | 22 | 21 | 31 | 20 | 24.2 | |
| 217 | 21 | 21 | 21 | 21 | 20 | 22 | 24 | 26 | 27 | 28 | 30 | 32 | 33 | 34 | 33 | 33 | 31 | 29 | 29 | 29 | 21 | 21 | 21 | 34 | 20 | 25.8 | |
| 218 | 21 | 20 | 20 | 21 | 20 | 21 | 22 | 24 | 26 | 28 | 29 | 30 | 31 | 32 | 32 | 31 | 30 | 28 | 28 | 26 | 26 | 25 | 24 | 32 | 20 | 25.7 | |
| 219 | 22 | 21 | 20 | 20 | 21 | 23 | 26 | 28 | 29 | 31 | 31 | 32 | 33 | 33 | 31 | 32 | 32 | 33 | 27 | 26 | 24 | 24 | 23 | 33 | 20 | 26.7 | |
| 220 | 21 | 21 | 21 | 20 | 20 | 21 | 26 | 28 | 30 | 31 | 32 | 34 | 34 | 34 | 22 | 24 | 28 | 28 | 28 | 24 | 23 | 23 | 23 | 21 | 34 | 20 | 25.2 |
| 221 | 22 | 21 | 20 | 21 | 22 | 22 | 23 | 25 | 28 | 28 | 28 | 30 | 32 | 33 | 31 | 29 | 23 | 23 | 23 | 21 | 21 | 20 | 20 | 33 | 20 | 24.5 | |
| 222 | 20 | 20 | 19 | 19 | 20 | 21 | 24 | 26 | 26 | 27 | 28 | 29 | 29 | 30 | 29 | 30 | 28 | 27 | 26 | 24 | 24 | 19 | 19 | 30 | 19 | 24.3 | |
| 223 | 20 | 20 | 19 | 19 | 19 | 20 | 22 | 23 | 25 | 29 | 30 | 31 | 31 | 31 | 30 | 29 | 28 | 26 | 23 | 23 | 20 | 20 | 19 | 31 | 19 | 24.0 | |
| 224 | 20 | 19 | 20 | 20 | 20 | 21 | 21 | 24 | 25 | 26 | 28 | 29 | 31 | 32 | 32 | 31 | 30 | 27 | 25 | 25 | 24 | 22 | 23 | 22 | 32 | 19 | 24.9 |
| 225 | 20 | 21 | 20 | 29 | 29 | 20 | 23 | 25 | 26 | 27 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 27 | 27 | 26 | 25 | 21 | 21 | 30 | 20 | 26.0 |
| 226 | 21 | 20 | 20 | 19 | 18 | 20 | 23 | 25 | 27 | 28 | 30 | 32 | 31 | 30 | 29 | 29</td | | | | | | | | | | | |

Table 2.--Hourly temperatures for Safford, 1967--Continued

| DAY | H O U R L Y T E M P E R A T U R E S C | | | | | | | | | | | | | | | | | | | | | | | | MAX | MIN | AVER | |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|------|------|
| 234 | 19 | 18 | 17 | 16 | 17 | 18 | 23 | 27 | 28 | 30 | 32 | 33 | 34 | 35 | 35 | 35 | 35 | 32 | 30 | 28 | 26 | 26 | 23 | 22 | 20 | 35 | 16 | 26.0 |
| 235 | 20 | 23 | 23 | 20 | 19 | 18 | 20 | 25 | 28 | 30 | 32 | 33 | 34 | 35 | 35 | 36 | 35 | 24 | 23 | 24 | 25 | 23 | 20 | 20 | 18 | 36 | 18 | 25.3 |
| 236 | 18 | 18 | 17 | 16 | 16 | 18 | 22 | 25 | 28 | 29 | 31 | 33 | 34 | 35 | 35 | 36 | 34 | 33 | 27 | 25 | 22 | 21 | 19 | 18 | 36 | 16 | 25.4 | |
| 237 | 18 | 17 | 17 | 16 | 16 | 20 | 22 | 26 | 29 | 31 | 33 | 34 | 35 | 36 | 36 | 35 | 34 | 25 | 27 | 26 | 22 | 21 | 20 | 18 | 36 | 16 | 25.6 | |
| 238 | 17 | 16 | 15 | 15 | 16 | 22 | 23 | 27 | 29 | 31 | 32 | 34 | 35 | 34 | 34 | 33 | 33 | 31 | 26 | 25 | 24 | 30 | 24 | 24 | 35 | 15 | 26.3 | |
| 239 | 22 | 21 | 21 | 20 | 23 | 23 | 25 | 27 | 28 | 30 | 31 | 32 | 32 | 32 | 32 | 31 | 29 | 28 | 29 | 25 | 26 | 26 | 22 | 21 | 32 | 20 | 26.5 | |
| 240 | 23 | 22 | 21 | 21 | 20 | 21 | 24 | 26 | 29 | 31 | 32 | 33 | 34 | 35 | 34 | 34 | 29 | 30 | 28 | 28 | 26 | 23 | 23 | 20 | 20 | 35 | 20 | 26.4 |
| 241 | 20 | 22 | 20 | 18 | 20 | 21 | 25 | 27 | 28 | 30 | 32 | 34 | 34 | 35 | 34 | 34 | 35 | 34 | 29 | 27 | 25 | 21 | 19 | 17 | 16 | 35 | 16 | 26.0 |
| 242 | 16 | 17 | 16 | 17 | 16 | 20 | 25 | 28 | 30 | 31 | 31 | 32 | 32 | 31 | 30 | 28 | 27 | 23 | 21 | 23 | 23 | 20 | 21 | 32 | 16 | 23.9 | | |
| 243 | 22 | 19 | 19 | 18 | 18 | 20 | 21 | 23 | 23 | 25 | 26 | 25 | 27 | 27 | 26 | 26 | 25 | 25 | 24 | 22 | 23 | 22 | 22 | 21 | 27 | 18 | 22.9 | |
| 244 | 21 | 20 | 20 | 18 | 18 | 19 | 18 | 19 | 20 | 20 | 22 | 21 | 23 | 21 | 21 | 20 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 23 | 18 | 20.1 | |
| 245 | 20 | 19 | 19 | 19 | 19 | 19 | 20 | 22 | 24 | 24 | 27 | 28 | 28 | 26 | 28 | 27 | 25 | 24 | 22 | 22 | 22 | 21 | 20 | 20 | 28 | 19 | 22.7 | |
| 246 | 19 | 20 | 20 | 20 | 21 | 22 | 23 | 25 | 27 | 28 | 30 | 31 | 31 | 30 | 30 | 29 | 29 | 25 | 24 | 24 | 23 | 23 | 21 | 31 | 19 | 24.8 | | |
| 247 | 20 | 19 | 19 | 17 | 17 | 19 | 22 | 24 | 27 | 29 | 31 | 32 | 33 | 34 | 35 | 34 | 28 | 25 | 23 | 27 | 24 | 23 | 22 | 21 | 35 | 17 | 25.2 | |
| 248 | 21 | 21 | 21 | 20 | 18 | 20 | 22 | 24 | 25 | 26 | 26 | 28 | 27 | 27 | 28 | 25 | 21 | 22 | 20 | 22 | 20 | 18 | 17 | 28 | 17 | 22.7 | | |
| 249 | 16 | 17 | 16 | 15 | 15 | 20 | 24 | 25 | 27 | 28 | 30 | 30 | 31 | 30 | 31 | 30 | 26 | 23 | 21 | 24 | 22 | 21 | 20 | 31 | 15 | 23.2 | | |
| 250 | 19 | 18 | 17 | 17 | 18 | 22 | 24 | 26 | 27 | 29 | 30 | 32 | 32 | 32 | 29 | 25 | 24 | 24 | 23 | 22 | 20 | 18 | 18 | 32 | 17 | 23.5 | | |
| 251 | 18 | 17 | 16 | 16 | 18 | 22 | 25 | 28 | 29 | 30 | 31 | 32 | 32 | 30 | 29 | 27 | 26 | 24 | 22 | 20 | 19 | 18 | 17 | 32 | 16 | 23.4 | | |
| 252 | 17 | 16 | 16 | 15 | 15 | 17 | 21 | 26 | 28 | 30 | 31 | 32 | 33 | 31 | 34 | 33 | 29 | 28 | 26 | 25 | 24 | 24 | 22 | 21 | 34 | 15 | 24.7 | |
| 253 | 21 | 20 | 19 | 19 | 21 | 24 | 26 | 28 | 30 | 31 | 33 | 33 | 34 | 34 | 33 | 33 | 23 | 21 | 20 | 20 | 20 | 20 | 21 | 19 | 34 | 19 | 24.5 | |
| 254 | 18 | 18 | 17 | 17 | 18 | 20 | 23 | 24 | 26 | 28 | 29 | 30 | 32 | 33 | 33 | 32 | 29 | 25 | 23 | 21 | 21 | 20 | 20 | 19 | 33 | 17 | 24.0 | |
| 255 | 20 | 19 | 18 | 17 | 17 | 21 | 24 | 27 | 29 | 32 | 32 | 33 | 33 | 33 | 32 | 30 | 26 | 24 | 23 | 20 | 22 | 21 | 21 | 23 | 33 | 17 | 24.9 | |
| 256 | 22 | 20 | 18 | 17 | 15 | 15 | 18 | 22 | 27 | 29 | 30 | 31 | 32 | 33 | 33 | 32 | 31 | 29 | 26 | 25 | 22 | 19 | 18 | 16 | 33 | 15 | 24.2 | |
| 257 | 15 | 15 | 14 | 14 | 14 | 13 | 17 | 22 | 25 | 27 | 28 | 30 | 31 | 31 | 31 | 30 | 26 | 26 | 24 | 20 | 18 | 17 | 16 | 14 | 31 | 13 | 21.6 | |
| 258 | 14 | 14 | 12 | 12 | 12 | 12 | 17 | 22 | 25 | 27 | 29 | 30 | 31 | 32 | 32 | 32 | 31 | 26 | 21 | 22 | 23 | 22 | 19 | 17 | 32 | 11 | 22.2 | |
| 259 | 17 | 18 | 17 | 17 | 14 | 15 | 20 | 23 | 24 | 26 | 28 | 28 | 27 | 27 | 22 | 20 | 20 | 19 | 17 | 19 | 18 | 17 | 15 | 28 | 14 | 20.2 | | |
| 260 | 16 | 15 | 14 | 15 | 15 | 15 | 19 | 21 | 24 | 26 | 27 | 29 | 30 | 31 | 31 | 31 | 30 | 27 | 21 | 20 | 18 | 17 | 17 | 15 | 31 | 14 | 21.8 | |
| 261 | 14 | 13 | 13 | 12 | 13 | 19 | 23 | 25 | 27 | 30 | 31 | 32 | 33 | 33 | 32 | 31 | 26 | 23 | 20 | 19 | 20 | 17 | 16 | 33 | 12 | 22.2 | | |
| 262 | 14 | 15 | 14 | 15 | 15 | 16 | 21 | 24 | 27 | 29 | 30 | 31 | 32 | 32 | 32 | 31 | 29 | 26 | 24 | 20 | 23 | 19 | 18 | 18 | 32 | 14 | 23.1 | |
| 263 | 17 | 16 | 15 | 14 | 14 | 15 | 19 | 23 | 26 | 28 | 29 | 31 | 33 | 34 | 34 | 33 | 33 | 30 | 24 | 21 | 20 | 19 | 19 | 19 | 19 | 34 | 14 | 23.6 |
| 264 | 18 | 18 | 18 | 20 | 19 | 18 | 23 | 25 | 28 | 29 | 30 | 29 | 32 | 32 | 32 | 32 | 31 | 29 | 26 | 23 | 20 | 18 | 18 | 18 | 32 | 18 | 24.4 | |
| 265 | 19 | 18 | 17 | 15 | 15 | 15 | 20 | 24 | 26 | 27 | 28 | 29 | 30 | 31 | 30 | 30 | 29 | 24 | 21 | 20 | 19 | 18 | 17 | 16 | 31 | 15 | 22.4 | |
| 266 | 16 | 15 | 15 | 17 | 18 | 18 | 21 | 24 | 26 | 28 | 30 | 30 | 31 | 31 | 31 | 29 | 25 | 23 | 21 | 20 | 20 | 20 | 19 | 31 | 15 | 23.2 | | |
| 267 | 21 | 24 | 21 | 20 | 20 | 18 | 19 | 22 | 22 | 21 | 21 | 19 | 22 | 21 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 24 | 16 | 19.4 | | |
| 268 | 15 | 16 | 16 | 16 | 15 | 16 | 16 | 17 | 19 | 22 | 23 | 22 | 20 | 21 | 20 | 21 | 20 | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 23 | 15 | 18.3 | |
| 269 | 16 | 16 | 15 | 14 | 15 | 16 | 19 | 21 | 23 | 25 | 26 | 27 | 28 | 29 | 29 | 29 | 25 | 22 | 20 | 18 | 18 | 18 | 17 | 16 | 29 | 14 | 20.9 | |
| 270 | 16 | 15 | 17 | 18 | 18 | 19 | 21 | 22 | 21 | 22 | 23 | 23 | 23 | 23 | 22 | 21 | 19 | 19 | 18 | 15 | 14 | 13 | 13 | 23 | 13 | 18.8 | | |
| 271 | 12 | 14 | 12 | 13 | 12 | 14 | 18 | 20 | 21 | 23 | 24 | 25 | 26 | 26 | 26 | 25 | 22 | 18 | 17 | 14 | 13 | 13 | 13 | 13 | 26 | 12 | 18.1 | |
| 272 | 11 | 12 | 12 | 12 | 15 | 18 | 21 | 23 | 25 | 26 | 27 | 28 | 28 | 29 | 29 | 26 | 19 | 17 | 15 | 14 | 15 | 14 | 14 | 14 | 29 | 11 | 19.3 | |
| 273 | 13 | 14 | 14 | 12 | 13 | 16 | 20 | 24 | 26 | 28 | 29 | 31 | 30 | 29 | 28 | 27 | 21 | 19 | 17 | 16 | 15 | 15 | 13 | 31 | 12 | 20.2 | | |
| 274 | 13 | 14 | 13 | 13 | 12 | 16 | 22 | 25 | 28 | 29 | 30 | 30 | 31 | 32 | 29 | 27 | 24 | 22 | 19 | 18 | 17 | 17 | 16 | 32 | 12 | 21.3 | | |
| 275 | 18 | 17 | 16 | 16 | 16 | 18 | 21 | 25 | 27 | 28 | 30 | 31 | 30 | 28 | 26 | 24 | 23 | 20 | 19 | 19 | 17 | 18 | 18 | 31 | 16 | 21.7 | | |
| 276 | 18 | 17 | 19 | 18 | 16 | 16 | 19 | 20 | 21 | 24 | 25 | 20 | 16 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 15 | 15 | 14 | 25 | 14 | 17.8 | | |
| 277 | 13 | 12 | 12 | 11 | 11 | 12 | 15 | 19 | 20 | 23 | 25 | 26 | 27 | 28 | 28 | 26 | 22 | 20 | 19 | 17 | 16 | 16 | 15 | 28 | 11 | 19.2 | | |
| 278 | 15 | 14 | 14 | 14 | 14 | 17 | 20 | 22 | 24 | 26 | 29 | 30 | 32 | 32 | 33 | 32 | 29 | 25 | 23 | 22 | 22 | 21 | 19 | 18 | 33 | 14 | 22.8 | |
| 279 | 15 | 14 | 13 | 12 | 11 | 14 | 20 | 22 | 24 | 26 | 26 | 27 | 28 | 28 | 27 | 26 | 24 | 21 | 18 | 17 | 18 | 18 | 14 | 15 | 28 | 11 | 19.9 | |
| 280 | 13 | 13 | 10 | 8 | 6 | 6 | 12 | 17 | 21 | 23 | 24 | 25 | 26 | 27 | 26 | 25 | 21 | 15 | 12 | 10 | 9 | 8 | 6 | 27 | 6 | 15.4 | | |
| 281 | 6 | 6 | 5 | 4 | 6 | 13 | 19 | 21 | 24 | 26 | 27 | 28 | 29 | 28 | 27 | 22 | 16 | 13 | 11 | 11 | 9 | 8 | 9 | 29 | 4 | 15.6 | | |
| 282 | 8 | 7 | 6 | 5 | 6 | 9 | 16 | 20 | 23 | 25 | 27 | 29 | 29 | 30 | 29 | 27 | 21 | 17 | 15 | 14 | 13 | 12 | 10 | 9 | 30 | 5 | 17.0 | |
| 283 | 9 | 8 | 7 | 7 | 6 | 10 | 18 | 21 | 23 | 26 | 27 | 28 | 29 | 29 | 28 | 26 | 21 | 17 | 19 | 17 | 17 | 16 | 14 | 12 | 29 | 6 | 18.1 | |
| 284 | 12 | 12 | 12 | 11 | 11 | 14 | 18 | 21 | 22 | 24 | 25 | 26 | 27 | 28 | 28 | 27 | 19 | 16 | 14 | 12 | 11 | 11 | 10 | 9 | 28 | 9 | 17.5 | |
| 285 | 10 | 10 | 11 | 10 | 8 | 13 | 18 | 20 | 24 | 26 | 28 | 28 | 29 | 29 | 29 | 28 | 20 | 17 | 14 | 12 | 13 | 11 | 10 | 8 | 29 | 8 | 17.7 | |
| 286 | 8 | 7 | 6 | 7 | 6 | 13 | 18 | 21 | 24 | 27 | 29 | 29 | 31 | 30 | 31 | 27 | 21 | 16 | 16 | 15 | 15 | 13 | 13 | 16 | 31 | 6 | 18.5 | |
| 287 | 18 | 18 | 17 | 14 | 12 | 14 | 19 | 19 | 24 | 26 | 27 | 28 | 29 | 29 | 30 | 29 | 24 | 19 | 17 | 15 | 14 | 13 | 11 | 16 | 30 | 11 | 20.1 | |
| 288 | 17 | 18 | 17 | 16 | 13 | 12 | 15 | 19 | 20 | 23 | 26 | 26 | 27 | 28 | 29 | 29 | 27 | 21 | 18 | 16 | 16 | 13 | 12 | 12 | 29 | 12 | 19.6 | |
| 289 | 11 | 10 | 9 | 10 | 13 | 13 | 15 | 17 | 19 | 14 | 16 | 17 | 19 | 20 | 21 | 22 | 22 | 21 | 16 | 12 | 12 | 10 | 9 | 7 | 22 | 7 | 15.2 | |
| 290 | 9 | 9 | 7 | 7 | 8 | 7 | 0 | 5 | 6 | 12 | 17 | 20 | 22 | 23 | 25 | 26 | 27 | 27 | 23 | 18 | 14 | 12 | 10 | 9 | 27 | 5 | 14.5 | |
| 291 | 8 | 8 | 8 | 7 | 7 | 6 | 7 | 9 | 16 | 20 | 24 | 25 | 26 | 27 | 28 | 27 | 26 | 24 | 16 | 15 | 13 | 11 | 10 | | | | | |

Table 2.--Hourly temperatures for Safford, 1967--Continued

| DAY | HOURLY TEMPERATURES C | | | | | | | | | | | | | | | | | | MAX | MIN | AVER | | | | | | |
|-----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|------|----|----|----|----|------|------|
| 299 | 4 | 6 | 5 | 4 | 4 | 4 | 6 | 13 | 18 | 21 | 23 | 26 | 27 | 28 | 28 | 26 | 24 | 21 | 15 | 12 | 11 | 8 | 7 | 6 | 28 | 4 | 14.5 |
| 300 | 6 | 5 | 5 | 5 | 6 | 10 | 14 | 18 | 22 | 24 | 26 | 27 | 27 | 27 | 27 | 25 | 20 | 15 | 12 | 10 | 9 | 7 | 7 | 27 | 5 | 15.0 | |
| 301 | 6 | 5 | 5 | 5 | 4 | 4 | 11 | 17 | 21 | 23 | 24 | 25 | 26 | 27 | 26 | 25 | 21 | 20 | 15 | 16 | 18 | 19 | 18 | 27 | 4 | 16.1 | |
| 302 | 18 | 17 | 16 | 15 | 17 | 16 | 15 | 17 | 18 | 18 | 18 | 19 | 20 | 19 | 20 | 18 | 17 | 14 | 12 | 9 | 10 | 8 | 6 | 4 | 20 | 4 | 15.0 |
| 303 | 7 | 8 | 8 | 4 | 3 | 5 | 2 | 7 | 10 | 12 | 14 | 15 | 16 | 17 | 17 | 17 | 16 | 12 | 9 | 7 | 4 | 3 | 1 | 0 | 17 | 0 | 8.9 |
| 304 | 0 | 0 | 0 | 0 | -1 | -1 | 0 | 5 | 11 | 15 | 16 | 18 | 19 | 20 | 21 | 21 | 20 | 13 | 12 | 9 | 6 | 5 | 4 | 3 | 21 | -1 | 9.0 |
| 305 | 2 | 1 | 1 | 1 | 0 | 1 | 7 | 13 | 17 | 20 | 21 | 22 | 24 | 25 | 25 | 24 | 21 | 17 | 17 | 16 | 14 | 11 | 10 | 25 | 0 | 13.0 | |
| 306 | 6 | 5 | 4 | 4 | 2 | 3 | 3 | 8 | 15 | 19 | 21 | 23 | 24 | 24 | 25 | 25 | 24 | 21 | 19 | 17 | 18 | 17 | 14 | 12 | 25 | 2 | 14.7 |
| 307 | 11 | 8 | 7 | 8 | 4 | 8 | 11 | 13 | 14 | 15 | 16 | 17 | 18 | 18 | 18 | 17 | 12 | 11 | 9 | 9 | 10 | 7 | 6 | 18 | 4 | 11.5 | |
| 308 | 5 | 4 | 4 | 3 | 3 | 1 | 1 | 3 | 11 | 14 | 16 | 18 | 19 | 21 | 22 | 22 | 20 | 15 | 10 | 7 | 7 | 6 | 5 | 4 | 22 | 1 | 10.0 |
| 309 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 8 | 13 | 15 | 19 | 20 | 20 | 22 | 21 | 20 | 18 | 16 | 15 | 12 | 10 | 10 | 9 | 22 | 2 | 11.7 | |
| 310 | 10 | 12 | 10 | 9 | 9 | 9 | 10 | 11 | 15 | 17 | 21 | 22 | 22 | 22 | 21 | 20 | 19 | 15 | 14 | 16 | 11 | 10 | 11 | 10 | 22 | 9 | 14.4 |
| 311 | 7 | 6 | 8 | 6 | 6 | 8 | 10 | 14 | 15 | 16 | 18 | 19 | 19 | 19 | 19 | 19 | 16 | 13 | 13 | 9 | 8 | 7 | 7 | 8 | 19 | 6 | 11.5 |
| 312 | 5 | 6 | 6 | 6 | 5 | 4 | 5 | 9 | 13 | 15 | 17 | 19 | 20 | 21 | 21 | 21 | 20 | 13 | 11 | 8 | 8 | 7 | 7 | 6 | 21 | 4 | 11.4 |
| 313 | 6 | 7 | 6 | 5 | 4 | 6 | 4 | 9 | 14 | 17 | 19 | 21 | 23 | 23 | 24 | 22 | 21 | 15 | 10 | 8 | 6 | 5 | 3 | 4 | 24 | 3 | 11.7 |
| 314 | 2 | 2 | 1 | 1 | 0 | 1 | 0 | 7 | 12 | 16 | 18 | 21 | 22 | 23 | 23 | 23 | 21 | 16 | 11 | 11 | 6 | 6 | 5 | 4 | 23 | 0 | 10.5 |
| 315 | 3 | 3 | 3 | 4 | 5 | 5 | 4 | 8 | 13 | 17 | 20 | 23 | 25 | 25 | 26 | 26 | 25 | 18 | 15 | 14 | 11 | 10 | 11 | 9 | 26 | 3 | 13.5 |
| 316 | 8 | 10 | 9 | 8 | 9 | 8 | 6 | 8 | 14 | 20 | 22 | 24 | 25 | 26 | 26 | 27 | 24 | 15 | 14 | 14 | 12 | 13 | 13 | 9 | 27 | 6 | 15.2 |
| 317 | 8 | 7 | 8 | 7 | 7 | 5 | 5 | 8 | 16 | 19 | 21 | 23 | 25 | 25 | 26 | 25 | 24 | 18 | 13 | 14 | 9 | 7 | 6 | 7 | 26 | 5 | 13.9 |
| 318 | 7 | 7 | 4 | 5 | 4 | 7 | 4 | 9 | 13 | 17 | 20 | 22 | 24 | 25 | 26 | 26 | 25 | 17 | 11 | 8 | 5 | 6 | 6 | 5 | 26 | 4 | 12.6 |
| 319 | 3 | 3 | 2 | 1 | 2 | 3 | 5 | 7 | 13 | 17 | 20 | 22 | 24 | 26 | 26 | 25 | 23 | 14 | 10 | 8 | 6 | 4 | 4 | 5 | 26 | 1 | 11.4 |
| 320 | 4 | 3 | 3 | 4 | 5 | 7 | 7 | 9 | 17 | 17 | 19 | 21 | 23 | 21 | 21 | 19 | 17 | 15 | 14 | 12 | 11 | 11 | 10 | 10 | 23 | 3 | 12.5 |
| 321 | 10 | 7 | 5 | 4 | 4 | 2 | 4 | 9 | 15 | 18 | 22 | 23 | 25 | 25 | 25 | 23 | 21 | 16 | 12 | 10 | 9 | 8 | 6 | 6 | 25 | 2 | 12.9 |
| 322 | 5 | 5 | 4 | 6 | 5 | 5 | 4 | 8 | 14 | 24 | 25 | 25 | 24 | 19 | 17 | 13 | 10 | 10 | 10 | 8 | 8 | 8 | 9 | 25 | 4 | 11.5 | |
| 323 | 8 | 10 | 7 | 10 | 13 | 16 | 20 | 23 | 24 | 25 | 26 | 25 | 24 | 20 | 20 | 17 | 16 | 15 | 12 | 10 | 6 | 4 | 3 | 3 | 26 | 3 | 14.9 |
| 324 | 2 | 2 | 3 | 10 | 15 | 17 | 19 | 20 | 21 | 21 | 21 | 20 | 16 | 12 | 9 | 8 | 6 | 4 | 5 | 5 | 5 | 6 | 5 | 21 | 2 | 10.6 | |
| 325 | 5 | 5 | 6 | 7 | 12 | 14 | 16 | 17 | 18 | 17 | 18 | 19 | 18 | 16 | 15 | 12 | 10 | 9 | 8 | 7 | 7 | 8 | 10 | 10 | 19 | 5 | 11.8 |
| 326 | 9 | 9 | 9 | 10 | 11 | 13 | 16 | 15 | 13 | 15 | 15 | 14 | 13 | 12 | 12 | 12 | 11 | 10 | 11 | 11 | 10 | 9 | 9 | 9 | 16 | 9 | 11.6 |
| 327 | 7 | 8 | 7 | 8 | 9 | 11 | 13 | 14 | 15 | 16 | 16 | 14 | 13 | 11 | 9 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 4 | 2 | 16 | 2 | 9.7 |
| 328 | 2 | 1 | 1 | 5 | 10 | 13 | 15 | 16 | 17 | 17 | 18 | 18 | 17 | 13 | 11 | 11 | 10 | 9 | 6 | 4 | 2 | 2 | 2 | 1 | 18 | 1 | 9.2 |
| 329 | 1 | 1 | 0 | 1 | 5 | 8 | 10 | 13 | 16 | 18 | 19 | 20 | 18 | 15 | 13 | 13 | 11 | 9 | 8 | 8 | 6 | 6 | 6 | 20 | 0 | 10.5 | |
| 330 | 7 | 7 | 5 | 4 | 8 | 11 | 14 | 15 | 16 | 17 | 17 | 17 | 16 | 13 | 11 | 9 | 10 | 10 | 10 | 11 | 10 | 12 | 12 | 17 | 4 | 11.5 | |
| 331 | 11 | 11 | 11 | 10 | 11 | 12 | 14 | 16 | 17 | 18 | 17 | 16 | 16 | 14 | 11 | 10 | 7 | 6 | 5 | 4 | 5 | 4 | 4 | 5 | 18 | 4 | 10.6 |
| 332 | 3 | 4 | 5 | 7 | 8 | 10 | 11 | 13 | 13 | 15 | 16 | 17 | 15 | 13 | 12 | 12 | 11 | 10 | 9 | 9 | 9 | 10 | 10 | 7 | 17 | 3 | 10.4 |
| 333 | 4 | 5 | 4 | 4 | 6 | 8 | 9 | 10 | 10 | 11 | 11 | 11 | 11 | 9 | 6 | 5 | 4 | 1 | 0 | 0 | -1 | -1 | 1 | 0 | 11 | -1 | 5.3 |
| 334 | 0 | -2 | -2 | -1 | 0 | 5 | 9 | 11 | 13 | 14 | 15 | 15 | 16 | 15 | 10 | 8 | 8 | 5 | 2 | 1 | 0 | 2 | 0 | -1 | 16 | -2 | 6.0 |
| 335 | -2 | -2 | -3 | -3 | 0 | 6 | 10 | 13 | 14 | 14 | 14 | 14 | 13 | 11 | 9 | 8 | 6 | 6 | 4 | 3 | 1 | 0 | -2 | -2 | 14 | -3 | 5.5 |

Table 3.--Two-hour relative humidities for Phoenix, 1967

| DAY | T W O - H O U R | R E L A T I V E | H U M I D I T Y | MAX | MIN | AVER |
|-----|-----------------|-----------------|-----------------|-----|-----|------|
| 109 | 50 | 52 | 56 | 54 | 49 | 47 |
| 110 | 48 | 57 | 69 | 60 | 48 | 44 |
| 111 | 54 | 69 | 73 | 68 | 54 | 37 |
| 112 | 62 | 71 | 71 | 64 | 53 | 48 |
| 113 | 60 | 66 | 70 | 62 | 44 | 42 |
| 114 | 49 | 66 | 78 | 60 | 44 | 40 |
| 115 | 59 | 70 | 86 | 80 | 58 | 48 |
| 116 | 72 | 72 | 74 | 59 | 44 | 34 |
| 117 | 70 | 77 | 72 | 56 | 36 | 30 |
| 118 | 66 | 70 | 71 | 51 | 42 | 32 |
| 119 | 46 | 54 | 56 | 53 | 45 | 40 |
| 120 | 54 | 66 | 62 | 56 | 42 | 32 |
| 121 | 41 | 52 | 54 | 43 | 34 | 27 |
| 122 | 58 | 60 | 60 | 53 | 47 | 33 |
| 123 | 54 | 56 | 61 | 61 | 46 | 36 |
| 124 | 52 | 62 | 67 | 66 | 48 | 40 |
| 125 | 47 | 50 | 68 | 71 | 50 | 46 |
| 126 | 48 | 64 | 68 | 72 | 54 | 41 |
| 127 | 57 | 60 | 75 | 70 | 48 | 40 |
| 128 | 54 | 61 | 60 | 58 | 53 | 32 |

Table 3.--Two-hour relative humidities for Phoenix, 1967--Continued

| DAY | T H O - H O U R | | | R E L A T I V E | | | H U M I D I T Y | | | | MAX | MIN | AVER |
|-----|-----------------|----|----|-----------------|----|----|-----------------|----|----|----|-----|-----|------|
| 129 | 59 | 66 | 68 | 60 | 43 | 37 | 34 | 32 | 30 | 34 | 41 | 44 | 68 |
| 130 | 38 | 56 | 58 | 69 | 57 | 51 | 48 | 42 | 41 | 43 | 48 | 42 | 69 |
| 131 | 48 | 68 | 77 | 74 | 51 | 45 | 33 | 29 | 30 | 34 | 40 | 47 | 77 |
| 132 | 50 | 63 | 72 | 70 | 49 | 34 | 32 | 28 | 30 | 30 | 36 | 34 | 72 |
| 133 | 37 | 40 | 47 | 76 | 42 | 39 | 32 | 28 | 26 | 26 | 30 | 30 | 76 |
| 134 | 36 | 37 | 38 | 42 | 40 | 31 | 24 | 22 | 22 | 23 | 29 | 34 | 42 |
| 135 | 34 | 31 | 39 | 41 | 33 | 25 | 22 | 20 | 21 | 27 | 34 | 42 | 42 |
| 136 | 46 | 46 | 45 | 43 | 31 | 24 | 23 | 18 | 18 | 25 | 34 | 48 | 48 |
| 137 | 53 | 53 | 50 | 54 | 44 | 28 | 25 | 25 | 30 | 31 | 36 | 36 | 54 |
| 138 | 38 | 38 | 44 | 46 | 41 | 30 | 28 | 28 | 26 | 28 | 33 | 46 | 46 |
| 139 | 50 | 52 | 60 | 57 | 48 | 30 | 26 | 27 | 29 | 30 | 32 | 39 | 60 |
| 140 | 48 | 54 | 54 | 61 | 44 | 32 | 26 | 24 | 26 | 25 | 34 | 47 | 61 |
| 141 | 48 | 43 | 40 | 45 | 52 | 42 | 30 | 28 | 24 | 31 | 32 | 37 | 52 |
| 142 | 52 | 59 | 64 | 56 | 41 | 33 | 30 | 28 | 30 | 34 | 38 | 45 | 64 |
| 143 | 51 | 62 | 64 | 63 | 51 | 47 | 46 | 47 | 49 | 50 | 53 | 59 | 64 |
| 144 | 99 | 96 | 82 | 89 | 72 | 58 | 50 | 54 | 42 | 69 | 78 | 83 | 99 |
| 145 | 81 | 94 | 96 | 88 | 81 | 60 | 53 | 60 | 70 | 83 | 76 | 76 | 96 |
| 146 | 96 | 93 | 99 | 99 | 96 | 76 | 60 | 44 | 37 | 23 | 46 | 52 | 99 |
| 147 | 64 | 88 | 90 | 89 | 90 | 62 | 60 | 36 | 36 | 42 | 50 | 47 | 90 |
| 148 | 64 | 74 | 82 | 84 | 54 | 43 | 34 | 31 | 32 | 37 | 47 | 52 | 84 |
| 149 | 58 | 92 | 94 | 90 | 68 | 57 | 49 | 47 | 45 | 49 | 88 | 97 | 97 |
| 150 | 99 | 99 | 99 | 88 | 68 | 54 | 48 | 41 | 41 | 43 | 48 | 56 | 99 |
| 151 | 66 | 75 | 72 | 62 | 45 | 32 | 30 | 28 | 27 | 34 | 44 | 69 | 75 |
| 152 | 52 | 58 | 68 | 60 | 48 | 38 | 32 | 32 | 33 | 36 | 44 | 54 | 68 |
| 153 | 60 | 78 | 77 | 66 | 50 | 40 | 36 | 30 | 28 | 34 | 40 | 42 | 78 |
| 154 | 50 | 66 | 74 | 64 | 55 | 52 | 84 | 50 | 40 | 41 | 68 | 66 | 84 |
| 155 | 78 | 92 | 98 | 82 | 58 | 47 | 39 | 36 | 31 | 42 | 50 | 64 | 98 |
| 156 | 63 | 71 | 94 | 86 | 66 | 39 | 36 | 30 | 26 | 26 | 30 | 35 | 94 |
| 157 | 49 | 56 | 66 | 59 | 44 | 33 | 30 | 28 | 30 | 30 | 34 | 38 | 66 |
| 158 | 41 | 48 | 50 | 59 | 44 | 34 | 26 | 26 | 29 | 30 | 33 | 49 | 59 |
| 159 | 57 | 71 | 71 | 63 | 50 | 34 | 28 | 28 | 27 | 32 | 34 | 71 | 27 |
| 160 | 42 | 64 | 70 | 64 | 48 | 39 | 31 | 30 | 27 | 28 | 34 | 40 | 70 |
| 161 | 54 | 60 | 68 | 66 | 50 | 40 | 36 | 35 | 35 | 36 | 40 | 51 | 68 |
| 162 | 64 | 70 | 72 | 64 | 50 | 40 | 34 | 34 | 34 | 38 | 40 | 49 | 72 |
| 163 | 58 | 70 | 66 | 64 | 48 | 36 | 33 | 36 | 30 | 38 | 42 | 52 | 70 |
| 164 | 58 | 56 | 66 | 62 | 69 | 52 | 46 | 50 | 56 | 55 | 57 | 59 | 66 |
| 165 | 64 | 78 | 90 | 86 | 72 | 52 | 46 | 42 | 39 | 40 | 46 | 64 | 90 |
| 166 | 64 | 72 | 82 | 70 | 48 | 44 | 36 | 31 | 30 | 36 | 44 | 59 | 82 |
| 167 | 44 | 50 | 47 | 57 | 48 | 38 | 32 | 23 | 20 | 14 | 15 | 20 | 57 |
| 168 | 29 | 44 | 47 | 43 | 33 | 25 | 20 | 16 | 15 | 16 | 18 | 23 | 47 |
| 169 | 34 | 54 | 48 | 66 | 84 | 88 | 89 | 86 | 78 | 75 | 82 | 84 | 89 |
| 170 | 86 | 86 | 83 | 85 | 77 | 60 | 50 | 55 | 47 | 52 | 60 | 78 | 86 |
| 171 | 86 | 99 | 99 | 97 | 68 | 47 | 39 | 39 | 37 | 36 | 68 | 86 | 99 |
| 172 | 92 | 99 | 99 | 70 | 44 | 37 | 30 | 30 | 28 | 30 | 50 | 64 | 99 |
| 173 | 73 | 73 | 64 | 63 | 49 | 32 | 26 | 22 | 26 | 30 | 44 | 64 | 73 |
| 174 | 72 | 80 | 79 | 70 | 34 | 31 | 35 | 32 | 30 | 34 | 36 | 47 | 80 |
| 175 | 76 | 80 | 77 | 74 | 52 | 40 | 30 | 28 | 40 | 32 | 41 | 46 | 80 |
| 176 | 54 | 78 | 70 | 69 | 58 | 43 | 40 | 40 | 42 | 45 | 54 | 84 | 84 |
| 177 | 94 | 97 | 97 | 79 | 70 | 52 | 52 | 49 | 42 | 40 | 48 | 62 | 97 |
| 178 | 72 | 82 | 85 | 84 | 56 | 41 | 34 | 32 | 32 | 34 | 38 | 85 | 32 |
| 179 | 48 | 60 | 72 | 76 | 58 | 41 | 35 | 31 | 29 | 31 | 41 | 71 | 76 |
| 180 | 68 | 82 | 84 | 80 | 52 | 34 | 36 | 28 | 24 | 30 | 38 | 60 | 84 |
| 181 | 64 | 82 | 74 | 66 | 61 | 40 | 42 | 33 | 32 | 32 | 50 | 51 | 82 |
| 182 | 84 | 84 | 66 | 76 | 61 | 45 | 39 | 31 | 30 | 31 | 33 | 51 | 84 |
| 183 | 58 | 85 | 80 | 71 | 71 | 54 | 41 | 36 | 35 | 35 | 37 | 41 | 85 |
| 184 | 58 | 74 | 70 | 76 | 58 | 49 | 44 | 45 | 44 | 46 | 48 | 53 | 76 |
| 185 | 61 | 69 | 80 | 82 | 56 | 52 | 45 | 44 | 44 | 44 | 50 | 58 | 82 |
| 186 | 60 | 69 | 68 | 72 | 62 | 54 | 52 | 48 | 48 | 48 | 54 | 58 | 72 |
| 187 | 58 | 76 | 86 | 80 | 68 | 72 | 59 | 60 | 58 | 58 | 64 | 86 | 58 |
| 188 | 62 | 65 | 88 | 99 | 91 | 68 | 64 | 50 | 44 | 49 | 58 | 74 | 99 |
| 189 | 78 | 88 | 95 | 90 | 64 | 52 | 46 | 42 | 42 | 41 | 41 | 60 | 95 |
| 190 | 69 | 72 | 81 | 80 | 75 | 54 | 50 | 56 | 66 | 62 | 82 | 89 | 89 |
| 191 | 99 | 98 | 99 | 89 | 71 | 58 | 50 | 46 | 48 | 45 | 51 | 54 | 99 |
| 192 | 99 | 99 | 99 | 83 | 81 | 59 | 45 | 36 | 33 | 50 | 68 | 89 | 99 |
| 193 | 81 | 64 | 76 | 74 | 74 | 53 | 44 | 38 | 42 | 42 | 58 | 74 | 81 |
| | | | | | | | | | | | | | 38 |

Table 3.--Two-hour relative humidities for Phoenix, 1967--Continued

| DAY | T W O - H O U R | | | | R E L A T I V E | | | | H U M I D I T Y | | | | MAX | MIN | AVER |
|-----|-----------------|----|----|----|-----------------|----|----|----|-----------------|----|----|----|-----|-----|-------|
| 194 | 81 | 99 | 82 | 64 | 54 | 50 | 48 | 44 | 42 | 42 | 48 | 57 | 99 | 42 | 59.25 |
| 195 | 52 | 60 | 60 | 68 | 63 | 56 | 42 | 38 | 46 | 45 | 52 | 68 | 68 | 38 | 54.17 |
| 196 | 67 | 77 | 80 | 82 | 86 | 82 | 60 | 53 | 49 | 49 | 49 | 62 | 86 | 49 | 66.33 |
| 197 | 75 | 76 | 75 | 85 | 72 | 57 | 54 | 47 | 49 | 52 | 66 | 99 | 99 | 47 | 67.25 |
| 198 | 95 | 99 | 99 | 96 | 82 | 72 | 62 | 56 | 53 | 64 | 70 | 66 | 99 | 53 | 76.17 |
| 199 | 79 | 99 | 99 | 90 | 66 | 52 | 40 | 40 | 38 | 53 | 58 | 84 | 99 | 38 | 66.50 |
| 200 | 76 | 78 | 82 | 66 | 52 | 47 | 42 | 36 | 37 | 34 | 71 | 52 | 82 | 34 | 56.08 |
| 201 | 46 | 78 | 96 | 80 | 64 | 42 | 42 | 32 | 34 | 56 | 56 | 42 | 96 | 32 | 55.67 |
| 202 | 43 | 50 | 59 | 70 | 64 | 54 | 52 | 46 | 52 | 60 | 99 | 99 | 99 | 43 | 62.33 |
| 203 | 99 | 99 | 99 | 90 | 86 | 73 | 56 | 80 | 63 | 71 | 75 | 93 | 99 | 56 | 82.00 |
| 204 | 99 | 99 | 99 | 78 | 56 | 45 | 40 | 38 | 39 | 39 | 65 | 87 | 99 | 38 | 65.33 |
| 205 | 90 | 80 | 99 | 86 | 59 | 71 | 64 | 57 | 66 | 72 | 87 | 69 | 99 | 57 | 75.00 |
| 206 | 90 | 80 | 99 | 86 | 70 | 54 | 47 | 45 | 45 | 44 | 49 | 74 | 99 | 44 | 65.25 |
| 207 | 84 | 85 | 97 | 94 | 60 | 61 | 68 | 67 | 58 | 56 | 76 | 74 | 97 | 56 | 73.33 |
| 208 | 82 | 94 | 95 | 90 | 80 | 63 | 67 | 58 | 59 | 46 | 56 | 70 | 95 | 46 | 71.67 |
| 209 | 71 | 75 | 89 | 82 | 72 | 58 | 54 | 49 | 47 | 45 | 61 | 83 | 89 | 45 | 65.50 |
| 210 | 87 | 90 | 97 | 92 | 72 | 55 | 51 | 49 | 45 | 46 | 55 | 54 | 97 | 45 | 66.08 |
| 211 | 99 | 99 | 99 | 99 | 82 | 64 | 52 | 50 | 44 | 50 | 62 | 54 | 99 | 44 | 71.17 |
| 212 | 76 | 90 | 98 | 97 | 89 | 54 | 53 | 49 | 56 | 45 | 59 | 69 | 98 | 45 | 69.58 |
| 213 | 95 | 84 | 97 | 88 | 77 | 55 | 40 | 38 | 39 | 44 | 60 | 60 | 97 | 38 | 64.75 |
| 214 | 70 | 85 | 96 | 79 | 50 | 44 | 44 | 40 | 42 | 50 | 55 | 62 | 96 | 40 | 59.75 |
| 215 | 47 | 63 | 81 | 69 | 80 | 96 | 99 | 77 | 71 | 79 | 98 | 99 | 99 | 47 | 79.92 |
| 216 | 99 | 99 | 84 | 89 | 60 | 53 | 54 | 53 | 46 | 61 | 70 | 71 | 99 | 46 | 69.92 |
| 217 | 66 | 71 | 82 | 96 | 88 | 86 | 64 | 56 | 59 | 64 | 68 | 81 | 96 | 56 | 73.42 |
| 218 | 99 | 99 | 99 | 86 | 69 | 60 | 50 | 45 | 46 | 47 | 62 | 78 | 99 | 45 | 70.00 |
| 219 | 92 | 99 | 99 | 86 | 64 | 55 | 64 | 51 | 65 | 77 | 80 | 69 | 99 | 51 | 73.42 |
| 220 | 89 | 83 | 94 | 88 | 76 | 55 | 58 | 48 | 73 | 83 | 82 | 81 | 94 | 48 | 75.83 |
| 221 | 89 | 83 | 94 | 90 | 76 | 57 | 65 | 40 | 37 | 52 | 46 | 52 | 94 | 37 | 65.08 |
| 222 | 63 | 72 | 67 | 69 | 60 | 57 | 55 | 50 | 51 | 50 | 57 | 66 | 72 | 50 | 59.75 |
| 223 | 99 | 99 | 99 | 95 | 66 | 54 | 51 | 49 | 48 | 56 | 65 | 84 | 99 | 48 | 72.08 |
| 224 | 83 | 84 | 82 | 78 | 58 | 55 | 45 | 50 | 46 | 53 | 70 | 72 | 84 | 45 | 64.67 |
| 225 | 80 | 67 | 92 | 80 | 63 | 54 | 49 | 44 | 43 | 42 | 39 | 61 | 92 | 39 | 59.50 |
| 226 | 60 | 94 | 74 | 77 | 60 | 54 | 44 | 37 | 48 | 33 | 56 | 59 | 94 | 33 | 58.00 |
| 227 | 70 | 85 | 98 | 90 | 69 | 49 | 44 | 41 | 36 | 38 | 36 | 49 | 98 | 36 | 58.75 |
| 228 | 50 | 84 | 91 | 88 | 66 | 55 | 48 | 46 | 46 | 46 | 43 | 57 | 91 | 43 | 60.00 |
| 229 | 61 | 80 | 98 | 90 | 71 | 58 | 51 | 51 | 49 | 47 | 72 | 87 | 98 | 47 | 67.92 |
| 230 | 92 | 98 | 98 | 90 | 71 | 60 | 52 | 45 | 42 | 70 | 61 | 68 | 98 | 42 | 70.58 |
| 231 | 72 | 90 | 98 | 87 | 69 | 58 | 44 | 42 | 39 | 35 | 33 | 45 | 98 | 33 | 59.33 |
| 232 | 44 | 62 | 73 | 86 | 72 | 57 | 59 | 36 | 38 | 33 | 53 | 50 | 86 | 33 | 55.25 |
| 233 | 68 | 77 | 72 | 76 | 62 | 52 | 42 | 34 | 33 | 38 | 41 | 57 | 77 | 33 | 54.33 |
| 234 | 55 | 70 | 83 | 78 | 60 | 48 | 45 | 39 | 35 | 35 | 49 | 54 | 83 | 35 | 54.25 |
| 235 | 54 | 84 | 92 | 87 | 72 | 58 | 48 | 44 | 40 | 50 | 51 | 89 | 92 | 40 | 64.08 |
| 236 | 82 | 90 | 92 | 96 | 75 | 52 | 46 | 46 | 42 | 44 | 60 | 54 | 96 | 42 | 64.92 |
| 237 | 86 | 92 | 95 | 90 | 72 | 56 | 43 | 38 | 34 | 42 | 45 | 68 | 95 | 34 | 63.42 |
| 238 | 65 | 76 | 84 | 70 | 64 | 51 | 46 | 32 | 34 | 34 | 38 | 40 | 84 | 32 | 52.83 |
| 239 | 57 | 53 | 65 | 75 | 61 | 49 | 46 | 46 | 52 | 51 | 65 | 48 | 75 | 46 | 55.67 |
| 240 | 65 | 65 | 74 | 77 | 69 | 54 | 48 | 45 | 48 | 44 | 49 | 46 | 77 | 44 | 57.00 |
| 241 | 50 | 65 | 72 | 65 | 61 | 50 | 44 | 41 | 42 | 42 | 60 | 68 | 72 | 41 | 55.00 |
| 242 | 53 | 63 | 61 | 67 | 65 | 91 | 69 | 58 | 47 | 44 | 54 | 62 | 91 | 44 | 61.17 |
| 243 | 52 | 53 | 57 | 71 | 59 | 57 | 52 | 50 | 55 | 59 | 49 | 55 | 71 | 49 | 55.75 |
| 244 | 56 | 56 | 70 | 72 | 77 | 70 | 73 | 71 | 68 | 70 | 91 | 93 | 93 | 56 | 72.25 |
| 245 | 89 | 99 | 99 | 99 | 88 | 71 | 63 | 72 | 90 | 99 | 99 | 99 | 99 | 63 | 88.92 |
| 246 | 99 | 99 | 99 | 99 | 99 | 79 | 60 | 52 | 55 | 80 | 95 | 99 | 99 | 52 | 84.58 |
| 247 | 99 | 99 | 99 | 99 | 99 | 75 | 59 | 49 | 50 | 52 | 75 | 82 | 99 | 49 | 73.92 |
| 248 | 89 | 99 | 99 | 99 | 91 | 61 | 43 | 42 | 44 | 55 | 65 | 66 | 99 | 42 | 71.08 |
| 249 | 90 | 99 | 99 | 81 | 57 | 50 | 45 | 52 | 54 | 53 | 77 | 78 | 99 | 45 | 69.58 |
| 250 | 87 | 97 | 98 | 84 | 60 | 53 | 51 | 43 | 42 | 49 | 67 | 83 | 98 | 42 | 67.83 |
| 251 | 88 | 89 | 99 | 99 | 69 | 57 | 46 | 44 | 38 | 44 | 55 | 60 | 99 | 38 | 65.67 |
| 252 | 74 | 89 | 90 | 85 | 60 | 45 | 38 | 36 | 37 | 40 | 51 | 56 | 90 | 36 | 58.42 |
| 253 | 60 | 76 | 90 | 90 | 59 | 57 | 42 | 34 | 34 | 43 | 51 | 61 | 90 | 34 | 58.08 |
| 254 | 63 | 89 | 88 | 85 | 60 | 49 | 42 | 38 | 39 | 42 | 53 | 69 | 89 | 38 | 59.75 |
| 255 | 73 | 82 | 98 | 86 | 63 | 51 | 45 | 40 | 36 | 46 | 47 | 64 | 98 | 36 | 60.92 |
| 256 | 75 | 79 | 93 | 81 | 70 | 50 | 43 | 38 | 37 | 44 | 49 | 48 | 93 | 37 | 58.92 |
| 257 | 64 | 80 | 87 | 65 | 54 | 45 | 34 | 29 | 26 | 28 | 48 | 64 | 87 | 26 | 52.00 |
| 258 | 70 | 61 | 71 | 71 | 51 | 39 | 32 | 27 | 24 | 30 | 50 | 63 | 71 | 24 | 49.08 |

Table 3.--Two-hour relative humidities for Phoenix, 1967--Continued

| DAY | T | W | O | - | H | C | U | R | R | E | L | A | T | I | V | E | H | U | M | I | D | I | T | Y | MAX | MIN | AVER |
|-----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|-------|-------|---|---|---|---|---|---|---|-----|-----|------|
| 259 | 66 | 67 | 69 | 63 | 52 | 40 | 34 | 25 | 26 | 27 | 39 | 54 | 69 | 69 | 25 | 25 | 46.83 | | | | | | | | | | |
| 260 | 58 | 76 | 65 | 70 | 54 | 45 | 38 | 34 | 31 | 36 | 43 | 45. | 76 | 31 | 31 | 49.58 | | | | | | | | | | | |
| 261 | 55 | 75 | 80 | 75 | 62 | 45 | 43 | 38 | 37 | 40 | 48 | 56 | 80 | 37 | 37 | 54.50 | | | | | | | | | | | |
| 262 | 70 | 75 | 80 | 84 | 64 | 45 | 44 | 39 | 37 | 42 | 53 | 59 | 84 | 37 | 37 | 57.67 | | | | | | | | | | | |
| 263 | 67 | 62 | 88 | 76 | 60 | 45 | 41 | 38 | 37 | 43 | 55 | 64 | 88 | 37 | 37 | 56.33 | | | | | | | | | | | |
| 264 | 64 | 66 | 83 | 92 | 67 | 54 | 46 | 40 | 39 | 45 | 54 | 58 | 92 | 39 | 39 | 59.00 | | | | | | | | | | | |
| 265 | 68 | 73 | 78 | 90 | 55 | 43 | 37 | 36 | 41 | 46 | 51 | 68 | 90 | 36 | 36 | 57.17 | | | | | | | | | | | |
| 266 | 70 | 80 | 99 | 90 | 59 | 37 | 31 | 31 | 35 | 37 | 41 | 43 | 99 | 31 | 31 | 54.42 | | | | | | | | | | | |
| 267 | 46 | 58 | 70 | 74 | 52 | 46 | 34 | 44 | 55 | 58 | 61 | 62 | 74 | 34 | 34 | 55.00 | | | | | | | | | | | |
| 268 | 75 | 91 | 95 | 94 | 66 | 54 | 37 | 30 | 32 | 40 | 58 | 74 | 95 | 30 | 30 | 62.17 | | | | | | | | | | | |
| 269 | 88 | 87 | 92 | 95 | 66 | 54 | 40 | 38 | 39 | 44 | 54 | 59 | 95 | 38 | 38 | 63.00 | | | | | | | | | | | |
| 270 | 70 | 79 | 73 | 82 | 57 | 50 | 44 | 41 | 41 | 46 | 53 | 65 | 82 | 41 | 41 | 58.42 | | | | | | | | | | | |
| 271 | 71 | 86 | 67 | 73 | 55 | 43 | 39 | 37 | 38 | 47 | 59 | 63 | 86 | 37 | 37 | 56.50 | | | | | | | | | | | |
| 272 | 64 | 69 | 70 | 69 | 56 | 42 | 39 | 35 | 35 | 46 | 54 | 68 | 70 | 35 | 35 | 53.92 | | | | | | | | | | | |
| 273 | 60 | 70 | 68 | 70 | 52 | 40 | 38 | 35 | 38 | 45 | 50 | 60 | 70 | 35 | 35 | 52.17 | | | | | | | | | | | |
| 274 | 64 | 77 | 77 | 78 | 55 | 49 | 44 | 40 | 42 | 54 | 54 | 59 | 78 | 40 | 40 | 57.75 | | | | | | | | | | | |
| 275 | 68 | 82 | 90 | 99 | 92 | 73 | 47 | 44 | 46 | 54 | 68 | 78 | 99 | 44 | 44 | 70.08 | | | | | | | | | | | |
| 276 | 70 | 89 | 88 | 88 | 87 | 70 | 62 | 46 | 57 | 82 | 86 | 88 | 89 | 46 | 46 | 76.08 | | | | | | | | | | | |
| 277 | 88 | 88 | 87 | 97 | 66 | 56 | 50 | 47 | 51 | 64 | 93 | 99 | 99 | 47 | 47 | 73.83 | | | | | | | | | | | |
| 278 | 98 | 99 | 99 | 93 | 72 | 47 | 43 | 40 | 40 | 51 | 64 | 72 | 99 | 40 | 40 | 68.17 | | | | | | | | | | | |
| 279 | 85 | 99 | 99 | 97 | 40 | 29 | 24 | 21 | 24 | 31 | 50 | 64 | 99 | 21 | 21 | 55.25 | | | | | | | | | | | |
| 280 | 60 | 87 | 70 | 50 | 26 | 21 | 19 | 17 | 26 | 44 | 64 | 67 | 87 | 17 | 17 | 45.92 | | | | | | | | | | | |
| 281 | 54 | 84 | 87 | 60 | 39 | 26 | 21 | 21 | 30 | 48 | 77 | 72 | 87 | 21 | 21 | 51.58 | | | | | | | | | | | |
| 282 | 84 | 97 | 69 | 65 | 58 | 37 | 29 | 26 | 26 | 37 | 54 | 56 | 97 | 26 | 26 | 53.17 | | | | | | | | | | | |
| 283 | 81 | 82 | 84 | 72 | 47 | 35 | 27 | 26 | 28 | 44 | 53 | 53 | 84 | 26 | 26 | 52.67 | | | | | | | | | | | |
| 284 | 77 | 79 | 80 | 84 | 50 | 40 | 35 | 31 | 34 | 43 | 60 | 69 | 84 | 31 | 31 | 56.83 | | | | | | | | | | | |
| 285 | 72 | 63 | 90 | 80 | 52 | 40 | 36 | 31 | 31 | 44 | 54 | 66 | 90 | 31 | 31 | 54.92 | | | | | | | | | | | |
| 286 | 86 | 92 | 92 | 87 | 59 | 46 | 35 | 29 | 30 | 40 | 58 | 75 | 92 | 29 | 29 | 60.75 | | | | | | | | | | | |
| 287 | 84 | 82 | 82 | 79 | 54 | 44 | 38 | 34 | 32 | 43 | 54 | 76 | 84 | 32 | 32 | 58.50 | | | | | | | | | | | |
| 288 | 80 | 86 | 90 | 68 | 40 | 23 | 19 | 18 | 16 | 26 | 30 | 36 | 90 | 16 | 16 | 44.33 | | | | | | | | | | | |
| 289 | 47 | 48 | 49 | 41 | 38 | 36 | 34 | 30 | 30 | 49 | 56 | 62 | 62 | 30 | 30 | 43.33 | | | | | | | | | | | |
| 290 | 71 | 75 | 81 | 54 | 45 | 28 | 23 | 23 | 24 | 44 | 54 | 50 | 81 | 23 | 23 | 47.67 | | | | | | | | | | | |
| 291 | 45 | 50 | 50 | 56 | 37 | 33 | 26 | 24 | 26 | 43 | 50 | 52 | 56 | 24 | 24 | 41.00 | | | | | | | | | | | |
| 292 | 54 | 68 | 56 | 54 | 46 | 33 | 28 | 25 | 25 | 38 | 53 | 59 | 68 | 25 | 25 | 44.92 | | | | | | | | | | | |
| 293 | 61 | 68 | 72 | 67 | 48 | 39 | 28 | 25 | 25 | 40 | 52 | 61 | 72 | 25 | 25 | 48.83 | | | | | | | | | | | |
| 294 | 59 | 80 | 78 | 66 | 46 | 48 | 32 | 29 | 30 | 43 | 49 | 60 | 80 | 29 | 29 | 51.67 | | | | | | | | | | | |
| 295 | 61 | 65 | 64 | 62 | 53 | 48 | 44 | 40 | 41 | 52 | 65 | 83 | 83 | 40 | 40 | 56.50 | | | | | | | | | | | |
| 296 | 82 | 91 | 83 | 93 | 78 | 55 | 45 | 40 | 38 | 51 | 67 | 84 | 93 | 38 | 38 | 67.25 | | | | | | | | | | | |
| 297 | 83 | 91 | 96 | 90 | 66 | 50 | 41 | 35 | 35 | 54 | 62 | 75 | 96 | 35 | 35 | 64.83 | | | | | | | | | | | |
| 298 | 84 | 98 | 94 | 88 | 65 | 50 | 42 | 35 | 34 | 46 | 78 | 76 | 98 | 34 | 34 | 65.83 | | | | | | | | | | | |
| 299 | 72 | 70 | 83 | 86 | 58 | 50 | 44 | 40 | 39 | 60 | 75 | 71 | 86 | 39 | 39 | 62.33 | | | | | | | | | | | |
| 300 | 89 | 92 | 92 | 76 | 64 | 49 | 41 | 36 | 36 | 50 | 71 | 75 | 92 | 36 | 36 | 64.25 | | | | | | | | | | | |
| 301 | 88 | 93 | 84 | 77 | 64 | 47 | 40 | 34 | 34 | 45 | 48 | 66 | 93 | 34 | 34 | 60.00 | | | | | | | | | | | |
| 302 | 84 | 79 | 78 | 66 | 46 | 28 | 24 | 24 | 24 | 25 | 29 | 29 | 84 | 24 | 24 | 44.67 | | | | | | | | | | | |
| 303 | 28 | 34 | 50 | 49 | 38 | 31 | 29 | 27 | 32 | 40 | 52 | 60 | 60 | 27 | 27 | 39.17 | | | | | | | | | | | |
| 304 | 62 | 67 | 80 | 69 | 44 | 35 | 34 | 33 | 40 | 52 | 73 | 75 | 80 | 33 | 33 | 55.33 | | | | | | | | | | | |
| 305 | 72 | 73 | 76 | 68 | 48 | 43 | 38 | 35 | 44 | 57 | 72 | 77 | 77 | 35 | 35 | 58.58 | | | | | | | | | | | |
| 306 | 80 | 80 | 84 | 78 | 60 | 50 | 42 | 40 | 45 | 61 | 77 | 76 | 84 | 40 | 40 | 64.42 | | | | | | | | | | | |
| 307 | 78 | 85 | 78 | 53 | 36 | 33 | 31 | 32 | 40 | 52 | 69 | 73 | 85 | 31 | 31 | 55.00 | | | | | | | | | | | |
| 308 | 72 | 74 | 66 | 62 | 51 | 44 | 38 | 35 | 40 | 57 | 62 | 64 | 74 | 35 | 35 | 55.42 | | | | | | | | | | | |
| 309 | 70 | 75 | 68 | 75 | 58 | 43 | 42 | 36 | 44 | 50 | 62 | 64 | 75 | 36 | 36 | 57.25 | | | | | | | | | | | |
| 310 | 70 | 76 | 76 | 75 | 54 | 46 | 45 | 44 | 50 | 66 | 63 | 72 | 76 | 44 | 44 | 60.92 | | | | | | | | | | | |
| 311 | 86 | 85 | 85 | 80 | 57 | 50 | 46 | 44 | 52 | 64 | 74 | 79 | 86 | 44 | 44 | 66.83 | | | | | | | | | | | |
| 312 | 77 | 88 | 90 | 79 | 56 | 49 | 42 | 40 | 48 | 60 | 74 | 68 | 90 | 40 | 40 | 64.25 | | | | | | | | | | | |
| 313 | 70 | 64 | 70 | 69 | 54 | 46 | 43 | 38 | 46 | 60 | 74 | 84 | 84 | 38 | 38 | 59.83 | | | | | | | | | | | |
| 314 | 80 | 81 | 86 | 79 | 55 | 46 | 39 | 36 | 46 | 59 | 74 | 80 | 86 | 36 | 36 | 63.42 | | | | | | | | | | | |
| 315 | 84 | 88 | 90 | 80 | 60 | 44 | 36 | 32 | 41 | 54 | 64 | 76 | 90 | 32 | 32 | 62.42 | | | | | | | | | | | |
| 316 | 58 | 79 | 70 | 60 | 48 | 34 | 30 | 30 | 37 | 43 | 45 | 50 | 79 | 30 | 30 | 48.67 | | | | | | | | | | | |
| 317 | 53 | 54 | 60 | 60 | 50 | 36 | 33 | 31 | 40 | 55 | 56 | 63 | 63 | 31 | 31 | 49.25 | | | | | | | | | | | |
| 318 | 54 | 63 | 59 | 56 | 50 | 39 | 35 | 31 | 40 | 52 | 70 | 72 | 72 | 31 | 31 | 51.75 | | | | | | | | | | | |
| 319 | 78 | 72 | 74 | 72 | 59 | 41 | 34 | 31 | 42 | 52 | 64 | 63 | 78 | 31 | 31 | 56.83 | | | | | | | | | | | |
| 320 | 64 | 64 | 64 | 59 | 54 | 43 | 36 | 34 | 45 | 58 | 66 | 73 | 73 | 34 | 34 | 55.00 | | | | | | | | | | | |
| 321 | 71 | 75 | 75 | 74 | 54 | 42 | 40 | 37 | 42 | 59 | 65 | 64 | 75 | 37 | 37 | 58.17 | | | | | | | | | | | |
| 322 | 69 | 72 | 72 | 70 | 55 | 46 | 45 | 44 | 52 | 60 | 73 | 85 | 85 | 44 | 44 | 61.92 | | | | | | | | | | | |

Table 3.--Two-hour relative humidities for Phoenix, 1967--Continued

| DAY | T | W | O | - | H | C | U | R | RELATIVE | HUMIDITY | MAX | MIN | AVER | | |
|-----|----|----|----|----|----|----|----|----|----------|----------|-----|-----|------|----|-------|
| 323 | 86 | 85 | 98 | 86 | 67 | 66 | 53 | 45 | 49 | 57 | 70 | 88 | 98 | 45 | 70.83 |
| 324 | 99 | 99 | 99 | 99 | 80 | 60 | 53 | 54 | 59 | 73 | 89 | 90 | 99 | 53 | 79.50 |
| 325 | 95 | 95 | 99 | 92 | 82 | 66 | 59 | 60 | 67 | 99 | 99 | 99 | 99 | 59 | 84.33 |
| 326 | 99 | 99 | 99 | 99 | 99 | 79 | 63 | 63 | 84 | 99 | 99 | 99 | 99 | 63 | 90.08 |
| 327 | 99 | 99 | 99 | 99 | 99 | 94 | 64 | 69 | 98 | 99 | 99 | 99 | 99 | 64 | 93.08 |
| 328 | 99 | 99 | 99 | 99 | 83 | 64 | 55 | 50 | 61 | 91 | 99 | 99 | 99 | 50 | 83.17 |
| 329 | 99 | 99 | 99 | 97 | 66 | 55 | 41 | 42 | 56 | 83 | 98 | 99 | 99 | 41 | 77.83 |
| 330 | 99 | 99 | 99 | 99 | 68 | 54 | 46 | 51 | 58 | 74 | 99 | 99 | 99 | 46 | 78.75 |
| 331 | 99 | 99 | 99 | 99 | 89 | 80 | 75 | 77 | 99 | 99 | 99 | 99 | 99 | 75 | 92.75 |
| 332 | 99 | 99 | 99 | 99 | 99 | 96 | 70 | 84 | 98 | 99 | 99 | 99 | 99 | 70 | 95.00 |
| 333 | 87 | 89 | 92 | 94 | 66 | 55 | 49 | 50 | 91 | 98 | 99 | 99 | 99 | 49 | 80.75 |

Table 4.--Two-hour relative humidities for Safford, 1967

| DAY | T | W | O | - | H | C | U | R | RELATIVE | HUMIDITY | MAX | MIN | AVER | | |
|-----|----|----|----|----|----|----|----|----|----------|----------|-----|-----|------|----|-------|
| 138 | 46 | 50 | 56 | 57 | 43 | 34 | 23 | 24 | 26 | 27 | 39 | 49 | 57 | 23 | 39.50 |
| 139 | 52 | 58 | 59 | 62 | 44 | 29 | 23 | 20 | 20 | 22 | 26 | 35 | 62 | 20 | 37.50 |
| 140 | 40 | 52 | 51 | 46 | 32 | 24 | 20 | 17 | 16 | 19 | 24 | 28 | 52 | 16 | 30.75 |
| 141 | 41 | 41 | 44 | 46 | 42 | 37 | 32 | 27 | 24 | 22 | 34 | 38 | 46 | 22 | 35.67 |
| 142 | 42 | 48 | 51 | 50 | 36 | 30 | 27 | 24 | 24 | 25 | 34 | 41 | 51 | 24 | 36.00 |
| 143 | 44 | 44 | 40 | 45 | 31 | 25 | 20 | 16 | 16 | 31 | 35 | 45 | 45 | 16 | 32.67 |
| 144 | 52 | 52 | 50 | 65 | 52 | 44 | 36 | 32 | 70 | 99 | 99 | 99 | 99 | 32 | 62.50 |
| 145 | 99 | 99 | 99 | 99 | 68 | 70 | 68 | 36 | 39 | 50 | 74 | 96 | 99 | 36 | 74.75 |
| 146 | 96 | 96 | 96 | 96 | 45 | 30 | 23 | 21 | 18 | 28 | 44 | 49 | 96 | 18 | 53.50 |
| 147 | 72 | 74 | 84 | 54 | 30 | 21 | 19 | 14 | 16 | 18 | 21 | 24 | 84 | 14 | 37.25 |
| 148 | 32 | 46 | 64 | 56 | 26 | 28 | 15 | 13 | 12 | 14 | 22 | 26 | 64 | 12 | 29.50 |
| 149 | 29 | 36 | 54 | 46 | 30 | 22 | 18 | 18 | 20 | 24 | 30 | 44 | 54 | 18 | 30.92 |
| 150 | 65 | 67 | 66 | 62 | 50 | 55 | 42 | 36 | 34 | 40 | 46 | 62 | 67 | 34 | 52.08 |
| 151 | 72 | 78 | 81 | 51 | 32 | 22 | 20 | 19 | 17 | 19 | 26 | 36 | 81 | 17 | 39.42 |
| 152 | 46 | 51 | 56 | 50 | 34 | 28 | 24 | 20 | 18 | 22 | 28 | 30 | 56 | 18 | 33.92 |
| 153 | 38 | 54 | 58 | 50 | 30 | 28 | 22 | 21 | 20 | 24 | 30 | 30 | 58 | 20 | 33.75 |
| 155 | 62 | 64 | 68 | 58 | 46 | 40 | 32 | 33 | 32 | 35 | 39 | 47 | 68 | 32 | 46.33 |
| 154 | 30 | 50 | 60 | 56 | 50 | 32 | 28 | 26 | 30 | 34 | 42 | 50 | 60 | 26 | 40.67 |
| 156 | 46 | 52 | 52 | 48 | 46 | 32 | 28 | 26 | 24 | 28 | 32 | 29 | 52 | 24 | 36.92 |
| 157 | 30 | 40 | 52 | 40 | 25 | 23 | 17 | 12 | 10 | 10 | 14 | 18 | 52 | 10 | 24.25 |
| 158 | 20 | 26 | 36 | 35 | 25 | 22 | 20 | 14 | 14 | 15 | 16 | 22 | 36 | 14 | 22.08 |
| 159 | 22 | 34 | 38 | 34 | 26 | 17 | 14 | 12 | 11 | 13 | 19 | 24 | 38 | 11 | 22.00 |
| 160 | 26 | 30 | 36 | 31 | 23 | 16 | 14 | 12 | 10 | 11 | 12 | 16 | 36 | 10 | 19.75 |
| 161 | 23 | 30 | 37 | 34 | 24 | 19 | 16 | 14 | 15 | 16 | 21 | 26 | 37 | 14 | 22.92 |
| 162 | 31 | 38 | 43 | 40 | 32 | 26 | 23 | 20 | 18 | 19 | 22 | 26 | 43 | 18 | 28.17 |
| 163 | 34 | 34 | 38 | 36 | 30 | 23 | 20 | 19 | 19 | 20 | 24 | 29 | 38 | 19 | 27.17 |
| 164 | 34 | 42 | 42 | 44 | 30 | 27 | 25 | 25 | 26 | 28 | 34 | 42 | 44 | 25 | 33.25 |
| 165 | 49 | 54 | 69 | 70 | 52 | 44 | 37 | 34 | 33 | 37 | 42 | 46 | 70 | 33 | 47.25 |
| 166 | 46 | 58 | 66 | 54 | 44 | 36 | 32 | 28 | 26 | 24 | 26 | 31 | 66 | 24 | 39.25 |
| 167 | 41 | 48 | 52 | 48 | 28 | 22 | 22 | 19 | 18 | 18 | 24 | 26 | 52 | 18 | 30.50 |
| 168 | 24 | 40 | 41 | 46 | 51 | 41 | 34 | 26 | 21 | 30 | 33 | 46 | 51 | 21 | 36.08 |
| 169 | 55 | 56 | 65 | 66 | 56 | 46 | 36 | 32 | 42 | 99 | 99 | 90 | 99 | 32 | 61.83 |
| 170 | 99 | 83 | 99 | 90 | 58 | 43 | 36 | 34 | 34 | 46 | 57 | 61 | 99 | 34 | 61.67 |
| 171 | 68 | 73 | 84 | 74 | 58 | 48 | 36 | 30 | 30 | 26 | 29 | 33 | 84 | 26 | 49.08 |
| 172 | 40 | 50 | 74 | 70 | 38 | 29 | 25 | 23 | 26 | 20 | 24 | 26 | 74 | 20 | 36.58 |
| 173 | 37 | 58 | 57 | 46 | 30 | 20 | 16 | 16 | 16 | 18 | 22 | 26 | 58 | 16 | 30.17 |
| 174 | 28 | 32 | 45 | 40 | 20 | 25 | 22 | 20 | 22 | 25 | 29 | 32 | 45 | 20 | 29.17 |
| 175 | 32 | 40 | 50 | 51 | 46 | 46 | 78 | 68 | 53 | 56 | 70 | 82 | 82 | 32 | 56.00 |
| 176 | 86 | 90 | 94 | 70 | 48 | 38 | 32 | 24 | 22 | 32 | 48 | 49 | 94 | 22 | 52.75 |
| 177 | 52 | 59 | 66 | 66 | 50 | 35 | 33 | 30 | 30 | 33 | 36 | 40 | 66 | 30 | 44.17 |
| 178 | 46 | 52 | 56 | 58 | 46 | 37 | 29 | 29 | 29 | 31 | 34 | 38 | 58 | 29 | 40.42 |
| 179 | 41 | 46 | 52 | 50 | 44 | 34 | 32 | 28 | 28 | 30 | 36 | 37 | 52 | 28 | 38.17 |
| 180 | 39 | 40 | 59 | 50 | 36 | 28 | 22 | 20 | 20 | 22 | 28 | 32 | 59 | 20 | 33.00 |
| 181 | 46 | 60 | 64 | 60 | 50 | 42 | 34 | 25 | 25 | 36 | 40 | 36 | 64 | 25 | 43.17 |
| 182 | 45 | 52 | 58 | 52 | 40 | 32 | 28 | 20 | 22 | 22 | 29 | 30 | 58 | 20 | 35.83 |
| 183 | 36 | 46 | 52 | 42 | 31 | 26 | 22 | 18 | 17 | 22 | 26 | 30 | 52 | 17 | 30.67 |
| 184 | 37 | 47 | 50 | 47 | 40 | 34 | 32 | 30 | 28 | 36 | 40 | 46 | 50 | 28 | 38.92 |

Table 4.--Two-hour relative humidities for Safford, 1967--Continued

| DAY | T W O - H O U R | | | | R E L A T I V E | | | | H U M I D I T Y | | | | MAX | MIN | AVER |
|-----|-----------------|----|----|----|-----------------|----|----|----|-----------------|----|----|----|-----|-----|-------|
| 185 | 54 | 60 | 73 | 64 | 50 | 44 | 38 | 34 | 30 | 36 | 46 | 52 | 73 | 33 | 48.42 |
| 186 | 56 | 54 | 64 | 72 | 63 | 54 | 44 | 40 | 36 | 49 | 59 | 68 | 72 | 36 | 54.92 |
| 187 | 62 | 66 | 68 | 70 | 52 | 48 | 40 | 37 | 38 | 54 | 83 | 99 | 99 | 37 | 59.75 |
| 188 | 87 | 99 | 96 | 99 | 84 | 60 | 56 | 48 | 80 | 83 | 90 | 99 | 99 | 48 | 81.75 |
| 189 | 99 | 99 | 99 | 86 | 50 | 36 | 30 | 26 | 26 | 28 | 32 | 84 | 99 | 26 | 57.92 |
| 190 | 76 | 72 | 74 | 70 | 58 | 42 | 36 | 28 | 32 | 50 | 90 | 99 | 99 | 28 | 60.58 |
| 191 | 97 | 99 | 99 | 99 | 70 | 50 | 36 | 26 | 26 | 26 | 32 | 36 | 99 | 22 | 57.67 |
| 192 | 85 | 98 | 99 | 99 | 78 | 56 | 37 | 29 | 26 | 30 | 43 | 80 | 99 | 26 | 63.33 |
| 193 | 73 | 94 | 99 | 99 | 58 | 35 | 28 | 24 | 23 | 27 | 36 | 40 | 99 | 23 | 53.00 |
| 194 | 44 | 54 | 77 | 64 | 45 | 37 | 30 | 27 | 44 | 48 | 92 | 84 | 92 | 27 | 53.83 |
| 195 | 84 | 80 | 84 | 78 | 62 | 52 | 45 | 36 | 34 | 39 | 50 | 60 | 84 | 34 | 58.67 |
| 196 | 70 | 86 | 92 | 66 | 50 | 38 | 30 | 26 | 36 | 41 | 50 | 52 | 92 | 26 | 53.08 |
| 197 | 65 | 70 | 81 | 72 | 62 | 48 | 40 | 48 | 82 | 99 | 99 | 99 | 99 | 40 | 72.08 |
| 198 | 99 | 99 | 99 | 99 | 82 | 62 | 56 | 54 | 50 | 50 | 72 | 74 | 99 | 50 | 74.67 |
| 199 | 80 | 89 | 99 | 76 | 56 | 47 | 36 | 27 | 60 | 60 | 64 | 74 | 99 | 27 | 64.00 |
| 200 | 86 | 99 | 99 | 99 | 60 | 38 | 28 | 22 | 26 | 30 | 50 | 70 | 99 | 22 | 58.92 |
| 201 | 81 | 74 | 82 | 64 | 46 | 38 | 34 | 28 | 90 | 89 | 72 | 94 | 94 | 28 | 66.00 |
| 202 | 94 | 84 | 96 | 72 | 60 | 50 | 44 | 36 | 34 | 41 | 66 | 62 | 96 | 34 | 61.58 |
| 203 | 70 | 91 | 99 | 90 | 70 | 52 | 46 | 46 | 50 | 48 | 52 | 66 | 99 | 46 | 65.00 |
| 204 | 65 | 78 | 96 | 84 | 60 | 50 | 38 | 34 | 37 | 38 | 38 | 40 | 96 | 34 | 54.83 |
| 205 | 44 | 54 | 91 | 60 | 50 | 39 | 34 | 30 | 52 | 90 | 67 | 72 | 91 | 30 | 56.92 |
| 206 | 99 | 80 | 99 | 80 | 54 | 42 | 40 | 31 | 36 | 36 | 40 | 45 | 99 | 31 | 56.83 |
| 207 | 58 | 80 | 78 | 84 | 72 | 48 | 43 | 45 | 48 | 50 | 58 | 65 | 84 | 43 | 60.75 |
| 208 | 66 | 99 | 99 | 93 | 80 | 58 | 52 | 50 | 54 | 62 | 62 | 72 | 99 | 50 | 70.58 |
| 209 | 80 | 90 | 89 | 88 | 74 | 52 | 46 | 40 | 40 | 44 | 50 | 52 | 90 | 40 | 62.08 |
| 210 | 60 | 85 | 96 | 93 | 60 | 55 | 45 | 39 | 50 | 75 | 75 | 99 | 99 | 39 | 69.33 |
| 211 | 98 | 88 | 99 | 94 | 64 | 48 | 46 | 46 | 58 | 58 | 83 | 99 | 99 | 46 | 73.42 |
| 212 | 99 | 99 | 99 | 80 | 60 | 48 | 49 | 46 | 56 | 57 | 63 | 76 | 99 | 46 | 69.33 |
| 213 | 90 | 94 | 99 | 90 | 70 | 48 | 40 | 37 | 38 | 38 | 38 | 52 | 99 | 37 | 61.17 |
| 214 | 64 | 62 | 82 | 90 | 60 | 43 | 31 | 27 | 34 | 40 | 62 | 77 | 90 | 27 | 56.00 |
| 215 | 81 | 83 | 88 | 92 | 64 | 43 | 36 | 44 | 82 | 99 | 99 | 99 | 99 | 36 | 75.83 |
| 216 | 99 | 99 | 99 | 90 | 63 | 80 | 54 | 46 | 58 | 74 | 99 | 99 | 99 | 46 | 80.00 |
| 217 | 99 | 99 | 99 | 84 | 62 | 50 | 40 | 30 | 40 | 44 | 99 | 99 | 99 | 30 | 70.42 |
| 218 | 99 | 99 | 99 | 94 | 80 | 60 | 48 | 48 | 50 | 55 | 67 | 80 | 99 | 48 | 73.25 |
| 219 | 99 | 99 | 99 | 84 | 60 | 47 | 42 | 37 | 43 | 46 | 80 | 84 | 99 | 37 | 68.33 |
| 220 | 90 | 99 | 99 | 74 | 55 | 44 | 37 | 93 | 65 | 80 | 84 | 99 | 99 | 37 | 76.58 |
| 221 | 86 | 99 | 99 | 90 | 70 | 55 | 44 | 42 | 91 | 97 | 99 | 99 | 99 | 42 | 80.92 |
| 222 | 95 | 99 | 99 | 99 | 68 | 62 | 56 | 46 | 49 | 48 | 80 | 99 | 99 | 46 | 75.00 |
| 223 | 99 | 99 | 99 | 98 | 72 | 64 | 54 | 50 | 60 | 98 | 99 | 99 | 99 | 50 | 82.58 |
| 224 | 97 | 86 | 84 | 69 | 64 | 60 | 58 | 57 | 64 | 66 | 72 | 99 | 99 | 57 | 73.00 |
| 225 | 99 | 99 | 82 | 63 | 58 | 50 | 45 | 43 | 60 | 51 | 70 | 99 | 99 | 43 | 68.25 |
| 226 | 98 | 99 | 83 | 69 | 54 | 47 | 69 | 56 | 49 | 68 | 78 | 88 | 99 | 47 | 71.50 |
| 227 | 94 | 99 | 77 | 64 | 55 | 40 | 35 | 34 | 34 | 40 | 55 | 80 | 99 | 34 | 58.92 |
| 228 | 98 | 99 | 87 | 85 | 56 | 50 | 44 | 38 | 25 | 36 | 74 | 96 | 99 | 25 | 65.67 |
| 229 | 99 | 99 | 99 | 76 | 54 | 42 | 33 | 32 | 30 | 60 | 68 | 90 | 99 | 30 | 65.17 |
| 230 | 92 | 99 | 99 | 81 | 49 | 38 | 30 | 34 | 46 | 52 | 48 | 55 | 99 | 30 | 60.25 |
| 231 | 99 | 99 | 99 | 77 | 50 | 36 | 28 | 26 | 26 | 36 | 72 | 90 | 99 | 26 | 61.50 |
| 232 | 99 | 99 | 99 | 87 | 58 | 43 | 33 | 26 | 30 | 72 | 31 | 52 | 99 | 26 | 60.75 |
| 233 | 56 | 80 | 84 | 74 | 50 | 36 | 28 | 24 | 30 | 42 | 80 | 70 | 84 | 24 | 54.50 |
| 234 | 84 | 99 | 99 | 70 | 50 | 34 | 30 | 26 | 27 | 30 | 38 | 71 | 99 | 26 | 54.83 |
| 235 | 89 | 65 | 86 | 90 | 52 | 38 | 30 | 25 | 54 | 62 | 56 | 76 | 90 | 25 | 60.25 |
| 236 | 94 | 99 | 99 | 80 | 50 | 37 | 32 | 25 | 26 | 42 | 75 | 96 | 99 | 25 | 62.92 |
| 237 | 96 | 99 | 99 | 78 | 48 | 30 | 25 | 24 | 28 | 39 | 70 | 90 | 99 | 24 | 60.50 |
| 238 | 91 | 99 | 84 | 60 | 46 | 36 | 28 | 26 | 26 | 30 | 50 | 44 | 99 | 26 | 51.67 |
| 239 | 46 | 54 | 56 | 58 | 53 | 43 | 38 | 37 | 38 | 40 | 50 | 54 | 58 | 37 | 47.25 |
| 240 | 64 | 66 | 70 | 67 | 54 | 45 | 37 | 32 | 44 | 48 | 55 | 90 | 90 | 32 | 56.00 |
| 241 | 82 | 82 | 94 | 74 | 54 | 40 | 34 | 33 | 30 | 34 | 54 | 80 | 94 | 30 | 57.58 |
| 242 | 80 | 71 | 86 | 77 | 54 | 46 | 38 | 33 | 33 | 34 | 60 | 56 | 86 | 33 | 55.67 |
| 243 | 64 | 73 | 89 | 78 | 71 | 60 | 51 | 50 | 50 | 51 | 58 | 60 | 89 | 50 | 62.92 |
| 244 | 64 | 84 | 99 | 99 | 90 | 80 | 78 | 90 | 90 | 96 | 99 | 99 | 99 | 64 | 89.00 |
| 245 | 99 | 99 | 99 | 92 | 75 | 59 | 46 | 53 | 56 | 63 | 76 | 86 | 99 | 46 | 75.25 |
| 246 | 99 | 92 | 99 | 90 | 65 | 50 | 43 | 38 | 44 | 54 | 63 | 74 | 99 | 38 | 67.58 |
| 247 | 90 | 99 | 99 | 78 | 64 | 47 | 40 | 33 | 34 | 79 | 80 | 70 | 99 | 33 | 67.75 |
| 248 | 72 | 69 | 80 | 80 | 66 | 60 | 52 | 54 | 54 | 75 | 76 | 98 | 98 | 52 | 69.67 |
| 249 | 99 | 81 | 99 | 86 | 55 | 42 | 35 | 34 | 41 | 55 | 53 | 70 | 99 | 34 | 62.50 |

Table 4.--Two-hour relative humidities for Safford, 1967--Continued

| DAY | T W O - H O U R | | | | R E L A T I V E | | | | H U M I D I T Y | | | | MAX | MIN | AVER |
|-----|-----------------|----|----|----|-----------------|----|----|----|-----------------|----|----|----|-----|-----|-------|
| 250 | 90 | 99 | 99 | 77 | 55 | 45 | 35 | 28 | 42 | 56 | 70 | 98 | 99 | 28 | 66.17 |
| 251 | 94 | 99 | 99 | 75 | 48 | 42 | 36 | 35 | 57 | 57 | 83 | 99 | 99 | 35 | 68.67 |
| 252 | 99 | 99 | 99 | 73 | 57 | 39 | 32 | 29 | 42 | 42 | 50 | 52 | 99 | 29 | 59.42 |
| 253 | 60 | 74 | 72 | 65 | 50 | 40 | 34 | 32 | 50 | 85 | 99 | 94 | 99 | 32 | 62.92 |
| 254 | 99 | 99 | 99 | 80 | 86 | 42 | 35 | 29 | 40 | 69 | 99 | 95 | 99 | 29 | 72.67 |
| 255 | 78 | 85 | 99 | 70 | 50 | 35 | 27 | 25 | 28 | 40 | 65 | 60 | 99 | 25 | 55.17 |
| 256 | 54 | 78 | 99 | 99 | 50 | 36 | 30 | 26 | 25 | 29 | 38 | 80 | 99 | 25 | 53.67 |
| 257 | 80 | 94 | 91 | 99 | 80 | 49 | 38 | 34 | 30 | 43 | 50 | 84 | 99 | 30 | 64.33 |
| 258 | 97 | 59 | 99 | 80 | 40 | 32 | 24 | 24 | 24 | 60 | 46 | 60 | 99 | 24 | 57.08 |
| 259 | 80 | 79 | 99 | 88 | 58 | 40 | 42 | 48 | 97 | 99 | 99 | 99 | 99 | 40 | 77.33 |
| 260 | 99 | 99 | 99 | 80 | 57 | 44 | 33 | 25 | 32 | 64 | 86 | 88 | 99 | 25 | 67.17 |
| 261 | 99 | 99 | 99 | 70 | 44 | 36 | 26 | 21 | 24 | 50 | 73 | 82 | 99 | 21 | 60.25 |
| 262 | 91 | 90 | 80 | 65 | 44 | 34 | 32 | 30 | 33 | 38 | 64 | 81 | 91 | 30 | 56.83 |
| 263 | 84 | 92 | 99 | 84 | 53 | 40 | 34 | 30 | 30 | 60 | 75 | 73 | 99 | 30 | 62.83 |
| 264 | 82 | 80 | 73 | 70 | 52 | 44 | 38 | 33 | 32 | 40 | 64 | 70 | 82 | 32 | 56.50 |
| 265 | 60 | 60 | 80 | 68 | 46 | 42 | 40 | 38 | 42 | 58 | 61 | 72 | 80 | 38 | 55.58 |
| 266 | 77 | 95 | 90 | 84 | 64 | 50 | 36 | 34 | 34 | 51 | 60 | 63 | 95 | 34 | 61.50 |
| 267 | 64 | 66 | 77 | 99 | 84 | 72 | 80 | 60 | 99 | 99 | 98 | 99 | 99 | 60 | 83.08 |
| 268 | 99 | 99 | 99 | 99 | 83 | 65 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 65 | 94.67 |
| 269 | 99 | 99 | 99 | 84 | 65 | 51 | 44 | 30 | 40 | 70 | 79 | 80 | 99 | 30 | 70.00 |
| 270 | 94 | 95 | 89 | 70 | 54 | 46 | 44 | 42 | 45 | 51 | 84 | 99 | 99 | 42 | 67.75 |
| 271 | 99 | 89 | 96 | 62 | 46 | 42 | 36 | 33 | 36 | 66 | 90 | 97 | 99 | 33 | 66.00 |
| 272 | 99 | 99 | 94 | 70 | 44 | 32 | 26 | 24 | 29 | 68 | 94 | 86 | 99 | 24 | 63.75 |
| 273 | 82 | 78 | 85 | 81 | 43 | 28 | 25 | 29 | 58 | 60 | 95 | 92 | 95 | 25 | 63.00 |
| 274 | 99 | 99 | 87 | 42 | 30 | 27 | 25 | 36 | 55 | 84 | 92 | 95 | 99 | 25 | 64.25 |
| 275 | 96 | 90 | 99 | 60 | 45 | 36 | 41 | 54 | 62 | 74 | 96 | 99 | 99 | 36 | 71.00 |
| 276 | 86 | 99 | 90 | 98 | 62 | 64 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 62 | 91.08 |
| 277 | 99 | 99 | 99 | 99 | 90 | 56 | 50 | 44 | 47 | 78 | 99 | 99 | 99 | 44 | 79.92 |
| 278 | 99 | 99 | 92 | 88 | 52 | 40 | 34 | 24 | 25 | 52 | 67 | 76 | 99 | 24 | 62.33 |
| 279 | 80 | 99 | 99 | 82 | 52 | 36 | 25 | 24 | 26 | 38 | 43 | 44 | 99 | 24 | 54.00 |
| 280 | 56 | 64 | 88 | 79 | 28 | 18 | 15 | 14 | 25 | 70 | 91 | 99 | 99 | 14 | 53.92 |
| 281 | 95 | 97 | 99 | 70 | 27 | 19 | 14 | 14 | 24 | 70 | 78 | 93 | 99 | 14 | 58.67 |
| 282 | 88 | 95 | 99 | 60 | 29 | 21 | 17 | 18 | 30 | 66 | 76 | 94 | 99 | 17 | 57.75 |
| 283 | 99 | 99 | 99 | 55 | 30 | 22 | 20 | 20 | 34 | 51 | 67 | 84 | 99 | 20 | 56.67 |
| 284 | 99 | 99 | 99 | 72 | 46 | 36 | 30 | 24 | 38 | 70 | 89 | 98 | 99 | 24 | 66.67 |
| 285 | 96 | 84 | 99 | 61 | 40 | 30 | 22 | 21 | 38 | 65 | 80 | 90 | 99 | 21 | 60.50 |
| 286 | 99 | 99 | 99 | 61 | 35 | 27 | 20 | 18 | 26 | 50 | 57 | 66 | 99 | 18 | 54.75 |
| 287 | 48 | 56 | 82 | 32 | 60 | 47 | 42 | 37 | 46 | 76 | 94 | 99 | 99 | 32 | 59.92 |
| 288 | 99 | 99 | 51 | 34 | 23 | 20 | 16 | 14 | 34 | 48 | 54 | 42 | 99 | 14 | 44.50 |
| 289 | 50 | 58 | 60 | 62 | 61 | 56 | 46 | 38 | 33 | 32 | 46 | 66 | 66 | 32 | 50.67 |
| 290 | 73 | 70 | 67 | 70 | 75 | 54 | 35 | 30 | 25 | 25 | 40 | 58 | 75 | 25 | 51.83 |
| 291 | 64 | 64 | 66 | 72 | 66 | 42 | 31 | 26 | 22 | 22 | 36 | 44 | 72 | 22 | 46.25 |
| 292 | 50 | 57 | 50 | 54 | 64 | 44 | 31 | 25 | 23 | 23 | 44 | 61 | 64 | 23 | 43.83 |
| 293 | 71 | 74 | 80 | 82 | 84 | 46 | 34 | 26 | 22 | 22 | 38 | 60 | 84 | 22 | 53.25 |
| 294 | 66 | 66 | 66 | 66 | 50 | 35 | 30 | 26 | 27 | 50 | 77 | 76 | 77 | 26 | 52.92 |
| 295 | 76 | 84 | 84 | 76 | 52 | 36 | 32 | 46 | 52 | 73 | 88 | 98 | 98 | 32 | 66.42 |
| 296 | 95 | 99 | 99 | 55 | 42 | 40 | 33 | 32 | 42 | 44 | 55 | 71 | 99 | 32 | 58.92 |
| 297 | 71 | 99 | 99 | 57 | 45 | 36 | 29 | 28 | 65 | 52 | 70 | 75 | 99 | 28 | 60.50 |
| 298 | 86 | 90 | 94 | 87 | 50 | 38 | 32 | 30 | 31 | 46 | 61 | 76 | 94 | 30 | 60.08 |
| 299 | 90 | 92 | 99 | 99 | 40 | 36 | 30 | 29 | 32 | 41 | 60 | 77 | 99 | 29 | 60.42 |
| 300 | 79 | 86 | 91 | 83 | 55 | 39 | 32 | 30 | 31 | 51 | 87 | 96 | 96 | 30 | 63.33 |
| 301 | 94 | 99 | 99 | 99 | 61 | 40 | 35 | 31 | 30 | 36 | 49 | 46 | 99 | 30 | 59.92 |
| 302 | 50 | 48 | 46 | 50 | 49 | 37 | 29 | 25 | 26 | 31 | 34 | 40 | 50 | 25 | 38.75 |
| 303 | 60 | 59 | 77 | 74 | 60 | 49 | 41 | 36 | 37 | 45 | 63 | 79 | 79 | 36 | 56.67 |
| 304 | 80 | 82 | 85 | 86 | 60 | 40 | 34 | 30 | 28 | 51 | 72 | 73 | 86 | 28 | 60.08 |
| 305 | 75 | 86 | 90 | 90 | 60 | 42 | 36 | 32 | 31 | 36 | 38 | 49 | 90 | 31 | 55.42 |
| 306 | 61 | 74 | 80 | 86 | 66 | 47 | 39 | 36 | 34 | 36 | 42 | 47 | 86 | 34 | 54.00 |
| 307 | 56 | 79 | 88 | 74 | 62 | 52 | 47 | 43 | 42 | 52 | 62 | 62 | 88 | 42 | 59.92 |
| 308 | 71 | 78 | 80 | 87 | 55 | 45 | 40 | 36 | 41 | 82 | 79 | 82 | 87 | 36 | 64.67 |
| 309 | 84 | 87 | 88 | 81 | 58 | 42 | 38 | 38 | 49 | 66 | 80 | 74 | 88 | 38 | 65.42 |
| 310 | 64 | 72 | 86 | 78 | 60 | 55 | 64 | 64 | 68 | 70 | 74 | 82 | 86 | 55 | 69.75 |
| 311 | 99 | 99 | 99 | 92 | 74 | 63 | 56 | 56 | 64 | 78 | 99 | 99 | 99 | 56 | 81.50 |
| 312 | 99 | 99 | 99 | 98 | 70 | 55 | 46 | 42 | 50 | 72 | 80 | 84 | 99 | 42 | 74.50 |
| 313 | 82 | 90 | 92 | 84 | 58 | 46 | 38 | 32 | 50 | 70 | 88 | 86 | 92 | 32 | 68.00 |

Table 4.--Two-hour relative humidities for Safford, 1967--Continued

| DAY | T | W | O | - | H | C | U | R | R | E | L | A | T | I | V | E | H | U | M | I | D | I | T | Y | MAX | MIN | AVER |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---|---|---|---|---|---|---|-----|-----|------|
| 314 | 90 | 90 | 90 | 80 | 49 | 40 | 34 | 31 | 34 | 54 | 70 | 74 | 90 | 90 | 31 | 31 | 61.33 | | | | | | | | | | |
| 315 | 80 | 80 | 76 | 72 | 46 | 30 | 27 | 26 | 37 | 52 | 51 | 56 | 80 | 80 | 26 | 26 | 52.75 | | | | | | | | | | |
| 316 | 54 | 54 | 60 | 54 | 34 | 28 | 26 | 26 | 38 | 43 | 48 | 54 | 60 | 60 | 26 | 26 | 43.25 | | | | | | | | | | |
| 317 | 62 | 64 | 70 | 54 | 40 | 32 | 28 | 29 | 46 | 52 | 46 | 48 | 70 | 70 | 28 | 28 | 47.58 | | | | | | | | | | |
| 318 | 60 | 61 | 72 | 58 | 41 | 32 | 28 | 26 | 42 | 62 | 59 | 62 | 72 | 72 | 26 | 26 | 50.25 | | | | | | | | | | |
| 319 | 64 | 68 | 64 | 55 | 40 | 32 | 26 | 23 | 36 | 58 | 62 | 60 | 68 | 68 | 23 | 23 | 49.00 | | | | | | | | | | |
| 320 | 63 | 63 | 59 | 56 | 39 | 31 | 29 | 31 | 40 | 48 | 54 | 59 | 63 | 63 | 29 | 29 | 47.67 | | | | | | | | | | |
| 321 | 76 | 87 | 85 | 72 | 48 | 35 | 32 | 33 | 45 | 61 | 69 | 73 | 87 | 87 | 32 | 32 | 58.67 | | | | | | | | | | |
| 322 | 73 | 76 | 75 | 76 | 37 | 34 | 40 | 52 | 68 | 71 | 79 | 78 | 79 | 79 | 34 | 34 | 63.25 | | | | | | | | | | |
| 323 | 79 | 81 | 66 | 50 | 38 | 33 | 38 | 43 | 46 | 54 | 72 | 85 | 85 | 85 | 33 | 33 | 57.08 | | | | | | | | | | |
| 324 | 89 | 94 | 63 | 50 | 42 | 40 | 45 | 73 | 81 | 90 | 84 | 86 | 94 | 94 | 40 | 40 | 69.75 | | | | | | | | | | |
| 325 | 88 | 82 | 66 | 56 | 56 | 54 | 58 | 70 | 82 | 99 | 99 | 99 | 99 | 99 | 54 | 54 | 75.75 | | | | | | | | | | |
| 326 | 99 | 99 | 99 | 67 | 59 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 67 | 67 | 96.25 | | | | | | | | | | |
| 327 | 99 | 99 | 99 | 78 | 54 | 60 | 81 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 54 | 54 | 88.75 | | | | | | | | | | |
| 328 | 99 | 99 | 87 | 61 | 50 | 46 | 48 | 67 | 72 | 99 | 99 | 99 | 99 | 99 | 46 | 46 | 77.17 | | | | | | | | | | |
| 329 | 99 | 99 | 83 | 62 | 50 | 47 | 46 | 63 | 66 | 80 | 96 | 99 | 99 | 99 | 46 | 46 | 74.17 | | | | | | | | | | |
| 330 | 99 | 99 | 84 | 63 | 61 | 56 | 57 | 78 | 88 | 91 | 99 | 99 | 99 | 99 | 56 | 56 | 81.17 | | | | | | | | | | |
| 331 | 99 | 99 | 99 | 74 | 59 | 70 | 75 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 59 | 59 | 89.17 | | | | | | | | | | |
| 332 | 99 | 99 | 99 | 76 | 62 | 54 | 62 | 74 | 88 | 99 | 98 | 90 | 99 | 99 | 54 | 54 | 83.33 | | | | | | | | | | |
| 333 | 99 | 99 | 70 | 59 | 49 | 47 | 54 | 84 | 99 | 99 | 99 | 99 | 99 | 99 | 47 | 47 | 79.75 | | | | | | | | | | |
| 334 | 99 | 99 | 85 | 56 | 42 | 38 | 32 | 64 | 85 | 99 | 99 | 99 | 99 | 99 | 32 | 32 | 74.75 | | | | | | | | | | |
| 335 | 99 | 99 | 82 | 54 | 50 | 51 | 50 | 58 | 69 | 99 | 99 | 99 | 99 | 99 | 50 | 50 | 75.75 | | | | | | | | | | |

Table 5.--Rainfall and irrigations in inches at Phoenix, 1967

| DATE | RAIN | IRRIGATION TREATMENTS | | |
|------|------|-----------------------|------|------|
| | | WET | MED | DRY |
| 102 | .03 | | | |
| 103 | .05 | | | |
| 146 | | | | |
| 169 | 1.28 | 1.60 | 1.60 | 1.60 |
| 172 | | 2.30 | 2.30 | 2.30 |
| 188 | | 3.70 | | |
| 191 | | | 3.80 | 5.00 |
| 192 | .21 | | | |
| 200 | | 4.00 | | |
| 202 | .21 | | | |
| 206 | | | 5.60 | |
| 209 | | 3.60 | | 5.00 |
| 210 | .08 | | | |
| 212 | .08 | | | |
| 220 | | 3.70 | | |
| 221 | | | 3.50 | |
| 227 | | | | 6.10 |
| 230 | | 4.00 | | |
| 234 | | | 4.70 | |
| 244 | | 3.30 | | |
| 248 | | 2.80 | | |
| 250 | | | 6.00 | 7.90 |
| 262 | | 4.00 | | |
| 274 | .18 | | | |
| 275 | .30 | | | |

Table 6.--Rainfall and irrigations in inches at Safford, 1967

| DATE | RAIN | IRRIGATION TREATMENTS | | |
|------|------|-----------------------|------|------|
| | | WET | MED | DRY |
| 122 | | 5.00 | 5.00 | 5.00 |
| 145 | .23 | | | |
| 146 | .03 | | | |
| 164 | | 3.00 | 3.00 | |
| 170 | .06 | | | |
| 176 | .02 | | | |
| 187 | | 3.00 | | 3.00 |
| 188 | .04 | | | |
| 191 | .07 | | | |
| 192 | .10 | | | |
| 193 | .06 | | | |
| 195 | .01 | | | |
| 198 | .69 | | | |
| 199 | .02 | | | |
| 200 | .06 | | | |
| 202 | .64 | | | |
| 205 | | 3.00 | 3.00 | |
| 208 | .06 | | | |
| 212 | .04 | | | |
| 217 | .11 | | | |
| 218 | .12 | | | |
| 220 | | 3.00 | | 3.00 |
| 221 | .37 | | | |
| 222 | .17 | | | |
| 223 | .56 | | | |
| 224 | 1.21 | | | |
| 232 | .20 | | | |
| 236 | .02 | | | |
| 238 | .01 | | | |
| 244 | 1.17 | | | |
| 245 | .08 | | | |
| 246 | .02 | | | |
| 248 | .01 | 5.00 | 5.00 | 5.00 |
| 254 | .20 | | | |
| 260 | .08 | | | |
| 268 | .55 | | | |
| 269 | .24 | | | |
| 274 | .29 | | | |
| 277 | .26 | | | |
| 284 | .03 | | | |

Table 7.--Soil moisture expressed as percent of available moisture at different soil depths,
Phoenix, 1967

| DATE | WET | | | | | | MED | | | | | | DRY | | | | | | | | | | | | | | |
|------|--------|---------------|----|----|----|----|-----|---|------------------|---------------|---|---|-----|---|---|------------------|--------|---------------|----|----|----|----|----|----|----|----|----|
| | SAMPLE | DEPTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | SAMPLE | DEPTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | SAMPLE | DEPTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | | | |
| 114 | 26 | 38 | 45 | 32 | 35 | 34 | | | SAME AS WET TMT. | | | | | | | SAME AS WET TMT. | | | | | | | | | | | |
| 121 | 34 | 42 | 46 | 32 | 30 | 33 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 128 | 38 | 45 | 44 | 35 | 30 | 29 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 135 | 49 | 45 | 47 | 37 | 34 | 32 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 142 | 56 | 52 | 48 | 36 | 37 | 37 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 151 | 15 | 29 | 38 | 36 | 33 | 35 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 163 | 68 | 52 | 48 | 40 | 36 | 38 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 171 | 53 | 66 | 52 | 43 | 38 | 40 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | | |
| 179 | 36 | 46 | 52 | 45 | 40 | 43 | | | | | | | | | | 67 | 82 | 56 | 48 | 37 | 38 | | | | | | |
| 187 | 81 | 84 | 79 | 48 | 40 | 45 | | | | | | | | | | 90 | 97 | 84 | 53 | 39 | 40 | | | | | | |
| 193 | 11 | 38 | 71 | 75 | 45 | 43 | | | | | | | | | | 25 | 37 | 65 | 68 | 53 | 41 | 16 | 24 | 42 | 44 | 28 | 22 |

Table 7.--Soil moisture expressed as percent of available moisture at different soil depths,
Phoenix, 1967--Continued

| DATE | WET | | | | | | MED | | | | | | DRY | | | | | | | | | | | |
|------|--------|---------------|----|----|----|----|-----|---|--------|---------------|----|----|-----|----|---|---|--------|---------------|----|----|----|----|---|---|
| | SAMPLE | DEPTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | SAMPLE | DEPTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | SAMPLE | DEPTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 |
| 199 | 60 | 59 | 77 | 61 | 47 | 47 | | | 60 | 62 | 75 | 81 | 69 | 53 | | | 62 | 57 | 68 | 58 | 48 | 32 | | |
| 205 | 40 | 38 | 50 | 58 | 51 | 49 | | | 7 | 28 | 34 | 49 | 57 | 48 | | | 22 | 34 | 46 | 63 | 54 | 44 | | |
| 207 | 57 | 47 | 52 | 48 | 48 | 48 | | | 48 | 50 | 57 | 57 | 60 | 54 | | | 77 | 68 | 74 | 78 | 65 | 45 | | |
| 212 | 31 | 35 | 41 | 48 | 51 | 44 | | | 27 | 28 | 32 | 53 | 51 | 54 | | | 17 | 35 | 38 | 28 | 48 | 44 | | |
| 215 | 57 | 47 | 52 | 48 | 48 | 48 | | | 61 | 46 | 55 | 65 | 62 | 60 | | | 10 | 25 | 31 | 38 | 39 | 43 | | |
| 226 | 47 | 41 | 49 | 51 | 56 | 61 | | | 56 | 46 | 56 | 59 | 62 | 49 | | | 0 | 2 | 8 | 12 | 27 | 20 | | |
| 227 | 6 | 25 | 32 | 43 | 52 | 51 | | | 2 | 20 | 22 | 23 | 20 | 27 | | | 17 | 21 | 28 | 33 | 34 | 32 | | |
| 233 | 0 | 6 | 5 | 17 | 20 | 36 | | | 72 | 53 | 49 | 46 | 48 | 47 | | | 74 | 48 | 51 | 54 | 47 | 47 | | |
| 234 | 81 | 58 | 58 | 56 | 43 | 38 | | | 86 | 69 | 61 | 62 | 66 | 68 | | | 90 | 75 | 73 | 69 | 64 | 59 | | |
| 240 | 88 | 68 | 65 | 59 | 51 | 47 | | | 89 | 69 | 61 | 66 | 62 | 67 | | | 92 | 84 | 76 | 77 | 74 | 66 | | |
| 244 | | | | | | | | | | | | | | | | | | | | | | | | |
| 249 | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | | | | | | | | |
| 255 | | | | | | | | | | | | | | | | | | | | | | | | |
| 256 | | | | | | | | | | | | | | | | | | | | | | | | |
| 261 | | | | | | | | | | | | | | | | | | | | | | | | |
| 268 | | | | | | | | | | | | | | | | | | | | | | | | |
| 271 | | | | | | | | | | | | | | | | | | | | | | | | |
| 291 | | | | | | | | | | | | | | | | | | | | | | | | |
| 303 | | | | | | | | | | | | | | | | | | | | | | | | |

Table 8.--Certain physical characteristics of the soil at Phoenix

| | | SOIL DEPTH IN FEET | | | | | |
|---|------|--------------------|------|------|------|------|------|
| | | 1ST | 2ND | 3RD | 4TH | 5TH | 6TH |
| FIELD CAPACITY (PCT. MOISTURE) | | 20.6 | 18.0 | 17.8 | 18.9 | 19.2 | 19.4 |
| PERMANENT WILTING POINT (PCT. MOISTURE) | 8.6 | 8.4 | 8.3 | 8.5 | 8.6 | 8.8 | |
| BULK DENSITY | 1.47 | 1.50 | 1.46 | 1.42 | 1.41 | 1.44 | |
| INCHES OF AVAILABLE WATER/FOOT | 1.76 | 1.44 | 1.39 | 1.48 | 1.49 | 1.53 | |

Table 9.--Height of S-3 and S-4 cotton plants (CM) at Safford, 1967

| WEEK | S-3 | | | S-4 | | |
|------|-------|-------|-------|-------|-------|-------|
| | WET | MED | DRY | WET | MED | DRY |
| 21 | 3.78 | 3.91 | 3.69 | 3.57 | 3.17 | 3.38 |
| 22 | 4.56 | 4.50 | 4.36 | 4.15 | 3.92 | 3.99 |
| 23 | 5.74 | 5.70 | 5.46 | 5.28 | 5.01 | 5.04 |
| 24 | 7.37 | 7.48 | 7.22 | 7.00 | 6.64 | 6.55 |
| 25 | 10.65 | 11.01 | 9.58 | 10.46 | 10.01 | 8.89 |
| 26 | 15.87 | 16.67 | 13.37 | 15.69 | 15.14 | 12.75 |
| 27 | 22.39 | 24.29 | 18.65 | 21.81 | 21.93 | 17.84 |
| 28 | 30.19 | 30.06 | 25.12 | 29.14 | 26.54 | 24.60 |
| 29 | 40.81 | 39.64 | 34.64 | 38.02 | 33.27 | 33.44 |
| 30 | 55.05 | 48.76 | 43.79 | 47.47 | 41.87 | 44.20 |
| 31 | 66.22 | 59.45 | 49.05 | 57.61 | 51.27 | 49.67 |
| 32 | 72.83 | 66.99 | 50.66 | 61.30 | 58.46 | 51.42 |
| 33 | 80.53 | 73.71 | 58.72 | 69.46 | 66.68 | 57.70 |
| 34 | 89.63 | 81.21 | 62.60 | 71.50 | 70.30 | 58.90 |
| 35 | 90.02 | 79.44 | 64.32 | 72.12 | 70.32 | 60.83 |
| 36 | 90.40 | 80.83 | 65.48 | 72.55 | 70.59 | 60.26 |
| 37 | 90.53 | 80.19 | 66.05 | 72.53 | 70.84 | |

Table 10.--Height of S-3 and S-4 cotton plants (CM) at Phoenix, 1967

| WEEK | S-3 | | | S-4 | | |
|------|--------|-------|-------|-------|-------|-------|
| | WET | MED | DRY | WET | MED | DRY |
| 17 | 3.16 | 3.29 | 3.57 | 3.43 | 3.35 | 3.53 |
| 18 | 4.47 | 4.45 | 4.47 | 4.58 | 4.33 | 4.75 |
| 19 | 5.84 | 6.07 | 6.10 | 6.54 | 6.12 | 6.37 |
| 20 | 7.29 | 7.41 | 7.55 | 8.07 | 7.59 | 7.80 |
| 21 | 9.42 | 9.39 | 9.60 | 10.18 | 9.71 | 9.92 |
| 22 | 13.63 | 13.57 | 13.60 | 14.59 | 13.82 | 14.05 |
| 23 | 17.22 | 17.02 | 17.19 | 18.68 | 17.57 | 17.71 |
| 24 | 21.01 | 20.70 | 21.05 | 22.51 | 21.24 | 21.16 |
| 25 | 27.02 | 26.22 | 27.03 | 28.00 | 26.55 | 25.67 |
| 26 | 37.07 | 35.43 | 33.52 | 35.75 | 34.86 | 30.48 |
| 27 | 46.10 | 41.93 | 38.55 | 42.16 | 41.81 | 35.05 |
| 28 | 58.56 | 48.90 | 45.34 | 48.69 | 49.66 | 38.80 |
| 29 | 71.78 | 59.73 | 55.59 | 59.01 | 58.28 | 46.89 |
| 30 | 85.41 | 66.13 | 63.18 | 67.81 | 64.71 | 52.34 |
| 31 | 99.03 | 76.78 | 72.47 | 75.37 | 72.82 | 57.49 |
| 32 | 107.26 | 79.71 | 82.13 | 78.14 | 78.75 | 60.32 |
| 33 | 120.59 | 89.18 | 87.27 | 84.09 | 83.28 | 60.90 |
| 34 | 124.98 | 92.13 | 91.91 | 85.94 | 83.52 | 65.53 |
| 35 | 127.29 | 93.51 | 95.05 | 86.68 | 83.98 | 66.87 |
| 36 | 129.27 | 95.82 | 98.38 | 87.28 | 84.24 | 65.16 |

Table 11.--Number of nodes on S-3 and S-4 cotton plants at Safford, 1967

| WEEK | S-3 | | | S-4 | | |
|------|-------|-------|-------|-------|-------|-------|
| | WET | MED | DRY | WET | MED | DRY |
| 21 | 1.20 | 1.10 | 1.00 | 1.18 | 1.00 | 1.07 |
| 22 | 1.70 | 1.73 | 1.59 | 1.73 | 1.76 | 1.68 |
| 23 | 2.74 | 3.00 | 2.76 | 2.89 | 2.93 | 2.80 |
| 24 | 4.70 | 5.02 | 4.64 | 4.75 | 4.72 | 4.76 |
| 25 | 7.16 | 7.50 | 6.83 | 7.32 | 7.32 | 6.99 |
| 26 | 10.08 | 10.63 | 9.36 | 10.45 | 10.54 | 9.66 |
| 27 | 12.93 | 13.26 | 11.97 | 12.89 | 13.17 | 12.51 |
| 28 | 14.74 | 15.02 | 14.18 | 15.02 | 14.89 | 14.69 |
| 29 | 17.26 | 16.94 | 16.39 | 17.34 | 16.80 | 17.02 |
| 30 | 19.21 | 18.64 | 18.04 | 19.23 | 18.57 | 19.42 |
| 31 | 21.15 | 21.23 | 18.71 | 21.17 | 21.10 | 20.01 |
| 32 | 21.98 | 22.19 | 19.02 | 21.83 | 22.40 | 20.39 |
| 33 | 23.73 | 23.47 | 21.72 | 24.09 | 24.26 | 23.10 |
| 34 | 25.06 | 24.16 | 22.75 | 24.64 | 24.33 | 23.13 |
| 35 | 25.05 | 24.07 | 22.82 | 24.64 | 24.45 | 23.70 |
| 36 | 25.03 | 24.22 | 23.32 | 24.69 | 24.38 | 23.31 |
| 37 | 25.62 | 24.43 | 24.18 | 24.79 | 24.79 | |

Table 12.--Number of nodes on S-3 and S-4 cotton plants at Phoenix, 1967

| WEEK | S-3 | | | S-4 | | |
|------|-------|-------|-------|-------|-------|-------|
| | WET | MED | DRY | WET | MED | DRY |
| 17 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 18 | 1.49 | 1.43 | 1.53 | 1.56 | 1.54 | 1.47 |
| 19 | 2.39 | 2.56 | 2.58 | 2.66 | 2.69 | 2.70 |
| 20 | 3.90 | 3.96 | 4.11 | 4.13 | 4.08 | 4.14 |
| 21 | 5.47 | 5.47 | 5.72 | 5.82 | 5.82 | 5.81 |
| 22 | 7.78 | 7.72 | 7.97 | 8.08 | 7.87 | 8.00 |
| 23 | 9.62 | 9.55 | 9.74 | 9.95 | 9.61 | 9.73 |
| 24 | 11.33 | 11.42 | 11.47 | 11.53 | 11.37 | 11.32 |

Table 12.--Number of nodes on S-3 and S-4 cotton plants at Phoenix, 1967--Continued

| WEEK | S-3 | | | S-4 | | |
|------|-------|-------|-------|-------|-------|-------|
| | WET | MED | DRY | WET | MED | DRY |
| 25 | 13.50 | 13.38 | 13.53 | 13.32 | 13.24 | 12.91 |
| 26 | 16.77 | 16.47 | 15.92 | 16.51 | 16.47 | 14.90 |
| 27 | 18.91 | 18.38 | 17.30 | 18.42 | 18.75 | 16.63 |
| 28 | 21.37 | 20.06 | 19.29 | 20.55 | 20.92 | 18.17 |
| 29 | 23.65 | 22.58 | 22.26 | 22.97 | 23.09 | 21.15 |
| 30 | 25.81 | 23.61 | 23.67 | 24.76 | 24.36 | 22.58 |
| 31 | 28.04 | 25.94 | 25.60 | 26.42 | 26.31 | 24.07 |
| 32 | 29.46 | 26.32 | 27.38 | 27.39 | 27.70 | 25.26 |
| 33 | 31.31 | 27.81 | 28.00 | 28.23 | 28.63 | 25.18 |
| 34 | 32.26 | 28.32 | 29.84 | 28.84 | 28.73 | 27.18 |
| 35 | 32.74 | 28.98 | 30.36 | 29.08 | 28.85 | 27.63 |
| 36 | 33.47 | 29.51 | 31.18 | 29.68 | 29.18 | 27.41 |
| 37 | 34.23 | 30.28 | 32.40 | 30.42 | 29.72 | 28.80 |
| 38 | 34.47 | 30.72 | 33.27 | 30.77 | 30.35 | 30.13 |
| 39 | 34.73 | 30.90 | 33.59 | 31.34 | 30.56 | 30.49 |
| 40 | 34.79 | 30.98 | 33.63 | 31.65 | 30.65 | 30.29 |
| 41 | 34.85 | 31.03 | 33.79 | 31.88 | 30.68 | 30.65 |

Table 13.--Number of flowers and fruits per 40 plants S-3 and S-4 cotton at Phoenix, 1967--wet irrigation treatment

| WEEK | S-3 | | | | | S-4 | | | | |
|------|-----|------------|------|-------------|--------------|-----|------------|------|-------------|--------------|
| | SQR | ABS SQR | FLCW | ABS BOLL | HVST BOLL | SQR | ABS SQR | FLOW | ABS BOLL | HVST BOLL |
| 22 | 18 | | | | 48 | | | | | |
| 23 | 95 | 13 | | | | 135 | 30 | | | |
| 24 | 184 | 23 | | | | 239 | 41 | | | |
| 25 | 266 | 78 | | | | 289 | 81 | | | |
| 26 | 446 | 225 | 8 | | | 633 | 257 | 19 | 3 | |
| 27 | 259 | 323 | 56 | 3 | | 374 | 368 | 89 | 3 | |
| 28 | 171 | 211 | 72 | 19 | | 328 | 206 | 137 | 28 | |
| 29 | 298 | 116 | 71 | 51 | | 387 | 125 | 157 | 56 | |
| 30 | 260 | 145 | 70 | 51 | | 370 | 135 | 190 | 100 | |
| 31 | 296 | 82 | 75 | 49 | 1 | 352 | 101 | 175 | 69 | 2 |
| 32 | 125 | 103 | 47 | 37 | 3 | 119 | 84 | 130 | 86 | 3 |
| 33 | 244 | 201 | 161 | 32 | 15 | 151 | 278 | 279 | 140 | 23 |
| 34 | 138 | 98 | 139 | 42 | 24 | 79 | 106 | 204 | 101 | 50 |
| 35 | 1 | 58 | 58 | 20 | 12 | | 25 | 74 | 29 | 53 |
| 36 | | 123 | 159 | 93 | 19 | | 60 | 114 | 142 | 61 |
| 37 | | 7 | 79 | 85 | 13 | | 5 | 35 | 89 | 49 |
| 38 | | | 41 | | 29 | | | | 11 | 38 |
| 39 | | | 9 | | 25 | | | | 5 | 50 |
| 40 | | | | 9 | 60 | | | | 3 | 76 |
| 41 | | | | | 44 | | | | | 70 |
| 42 | | | | | 56 | | | | | 89 |
| 43 | | | | | 41 | | | | | 43 |
| 44 | | | | | 39 | | | | | 52 |
| 45 | | | | | 33 | | | | | 49 |
| 46 | | | | | 33 | | | | | 17 |
| 47 | | | | | 33 | | | | | 3 |
| 48 | | | | | 7 | | | | | 10 |

Table 14.--Number of flowers and fruits per 40 plants S-3 and S-4 cotton at Phoenix, 1967--
medium irrigation treatment

| WEEK | S-3 | | | | | S-4 | | | | |
|------|-----|------------|------|-------------|--------------|-----|------------|------|-------------|--------------|
| | SQR | AES SQR | FLCW | ABS BOLL | HVST BOLL | SQR | ABS SQR | FLOW | ABS BOLL | HVST BOLL |
| 22 | 24 | | | | | 38 | 1 | | | |
| 23 | 116 | 16 | | | | 96 | 21 | | | |
| 24 | 201 | 30 | | | | 196 | 48 | | | |
| 25 | 262 | 73 | 1 | | | 246 | 53 | 3 | | |
| 26 | 461 | 187 | 10 | | | 572 | 209 | 9 | 1 | |
| 27 | 241 | 356 | 78 | 3 | | 371 | 346 | 78 | 8 | |
| 28 | 173 | 147 | 107 | 24 | | 258 | 199 | 110 | 21 | |
| 29 | 283 | 102 | 97 | 52 | | 328 | 125 | 118 | 39 | |
| 30 | 176 | 97 | 98 | 46 | | 243 | 99 | 163 | 66 | |
| 31 | 287 | 87 | 104 | 47 | | 305 | 132 | 156 | 55 | |
| 32 | 92 | 69 | 87 | 41 | 2 | 141 | 72 | 113 | 60 | 4 |
| 33 | 187 | 174 | 127 | 41 | 26 | 110 | 169 | 219 | 81 | 22 |
| 34 | 43 | 89 | 136 | 43 | 56 | 18 | 103 | 160 | 93 | 35 |
| 35 | 1 | 47 | 61 | 20 | 26 | | 53 | 61 | 37 | 30 |
| 36 | | 46 | 93 | 76 | 51 | | 31 | 65 | 108 | 59 |
| 37 | | 5 | 23 | 59 | 41 | | 1 | 5 | 30 | 63 |
| 38 | | | | 5 | 44 | | | | 9 | 77 |
| 39 | | | | 6 | 57 | | | | | 73 |
| 40 | | | | 8 | 42 | | | | 2 | 63 |
| 41 | | | | | 33 | | | | | 47 |
| 42 | | | | | 54 | | | | | 58 |
| 43 | | | | | 28 | | | | | 39 |
| 44 | | | | | 40 | | | | | 31 |
| 45 | | | | | 38 | | | | | 39 |
| 46 | | | | | 10 | | | | | 7 |
| 47 | | | | | 3 | | | | | 2 |

Table 15.--Number of flowers and fruits per 40 plants S-3 and S-4 cotton at
Phoenix, 1967--dry irrigation treatment

| WEEK | S-3 | | | | | S-4 | | | | |
|------|-----|------------|------|-------------|--------------|-----|------------|------|-------------|--------------|
| | SQR | ABS SQR | FLCW | ABS BOLL | HVST BOLL | SQR | ABS SQR | FLOW | ABS BOLL | HVST BOLL |
| 22 | 34 | | | | | 49 | | | | |
| 23 | 127 | 16 | | | | 139 | 36 | | | |
| 24 | 246 | 51 | | | | 223 | 51 | | | |
| 25 | 315 | 98 | | | | 226 | 55 | 1 | | |
| 26 | 438 | 198 | 14 | 1 | | 470 | 179 | 21 | 3 | |
| 27 | 196 | 296 | 94 | 3 | | 290 | 234 | 96 | 6 | |
| 28 | 187 | 151 | 138 | 26 | | 274 | 145 | 147 | 29 | |
| 29 | 329 | 77 | 136 | 57 | | 362 | 92 | 164 | 55 | |
| 30 | 171 | 105 | 111 | 110 | | 240 | 126 | 191 | 128 | |
| 31 | 329 | 106 | 96 | 62 | | 289 | 118 | 154 | 107 | |
| 32 | 176 | 90 | 62 | 62 | | 161 | 55 | 117 | 83 | 1 |
| 33 | 138 | 162 | 174 | 68 | 50 | 89 | 164 | 210 | 166 | 48 |
| 34 | 275 | 167 | 144 | 63 | 46 | 138 | 208 | 144 | 90 | 31 |
| 35 | | 53 | 65 | 32 | 36 | 3 | 36 | 51 | 32 | 32 |
| 36 | | 157 | 120 | 89 | 37 | | 62 | 40 | 141 | 61 |
| 37 | | 13 | 67 | 63 | 25 | | 9 | 47 | 51 | 31 |
| 38 | | | | 20 | 29 | | | | 21 | 31 |
| 39 | | | | 14 | 24 | | | | 4 | 20 |
| 40 | | | | 4 | 33 | | | | 24 | 23 |
| 41 | | | | | 43 | | | | | 40 |
| 42 | | | | | 60 | | | | | 31 |
| 43 | | | | | 36 | | | | | 15 |
| 44 | | | | | 40 | | | | | 32 |
| 45 | | | | | 37 | | | | | 27 |
| 46 | | | | | 28 | | | | | 7 |
| 47 | | | | | 21 | | | | | 8 |
| 48 | | | | | 2 | | | | | 5 |

Table 16.--Number of flowers and fruits per 40 plants S-3 and S-4 cotton at Safford, 1967--
wet irrigation treatment

| WEEK | S-3 | | | | | S-4 | | | | |
|------|-----|------------|------|-------------|--------------|-----|------------|------|-------------|--------------|
| | SQR | ABS SQR | FLCW | ABS BOLL | HVST BOLL | SQR | ABS SQR | FLOW | ABS BOLL | HVST BOLL |
| 25 | 31 | | | | | 39 | | | | |
| 26 | 86 | 3 | | | | 111 | 3 | | | |
| 27 | 112 | 10 | | | | 141 | 16 | | | |
| 28 | 236 | 27 | 5 | | | 318 | 27 | | | |
| 29 | 246 | 21 | 7 | 1 | | 288 | 39 | 11 | 1 | |
| 30 | 388 | 108 | 25 | 5 | | 638 | 188 | 46 | 2 | |
| 31 | 258 | 120 | 81 | 1 | | 385 | 132 | 89 | 5 | |
| 32 | 114 | 83 | 104 | 4 | | 188 | 135 | 162 | 5 | |
| 33 | 113 | 62 | 81 | 3 | | 240 | 191 | 173 | 11 | |
| 34 | 306 | 244 | 271 | 45 | | 285 | 239 | 295 | 63 | |
| 35 | 32 | 131 | 138 | 55 | | 44 | 240 | 232 | 81 | |
| 36 | | 286 | 115 | 245 | | | 312 | 146 | 350 | |
| 37 | | | | | 1 | | 1 | | | 51 |
| 38 | | | | | 8 | | | | | 18 |
| 39 | | | | | 14 | | | | | 23 |
| 40 | | | | | 64 | | | | | 70 |
| 41 | | | | | 64 | | | | | 96 |
| 42 | | | | | 94 | | | | | 107 |
| 43 | | | | | 63 | | | | | 82 |
| 44 | | | | | 47 | | | | | 53 |
| 45 | | | | | 43 | | | | | 38 |
| 46 | | | | | 44 | | | | | 45 |
| 47 | | | | | 25 | | | | | 43 |

Table 17.--Number of flowers and fruits per 40 plants S-3 and S-4 cotton at Safford, 1967--
medium irrigation treatment

| WEEK | S-3 | | | | | S-4 | | | | |
|------|-----|------------|------|-------------|--------------|-----|------------|------|-------------|--------------|
| | SQR | ABS SQR | FLCW | ABS BOLL | HVST BOLL | SQR | ABS SQR | FLOW | ABS BOLL | HVST BOLL |
| 25 | 39 | | | | | 38 | | | | |
| 26 | 110 | 4 | | | | 97 | 3 | | | |
| 27 | 130 | 15 | | | | 144 | 9 | | | |
| 28 | 202 | 38 | 2 | | | 208 | 26 | 3 | | |
| 29 | 194 | 23 | 17 | | | 260 | 33 | 10 | | |
| 30 | 340 | 91 | 26 | 8 | | 532 | 144 | 32 | 1 | |
| 31 | 308 | 54 | 87 | 0 | | 479 | 93 | 74 | 6 | |
| 32 | 110 | 48 | 87 | 7 | | 211 | 104 | 97 | 1 | |
| 33 | 103 | 62 | 133 | 11 | | 209 | 105 | 146 | 5 | |
| 34 | 153 | 153 | 300 | 32 | | 260 | 270 | 391 | 54 | |
| 35 | 16 | 82 | 156 | 25 | | 36 | 197 | 227 | 112 | |
| 36 | | 198 | 129 | 337 | | | 315 | 194 | 429 | |
| 37 | | | | | 6 | | 1 | | | 3 |
| 38 | | | | | 14 | | | | | 20 |
| 39 | | | | | 23 | | | | | 13 |
| 40 | | | | | 72 | | | | | 64 |
| 41 | | | | | 82 | | | | | 66 |
| 42 | | | | | 82 | | | | | 87 |
| 43 | | | | | 64 | | | | | 67 |
| 44 | | | | | 49 | | | | | 53 |
| 45 | | | | | 33 | | | | | 53 |
| 46 | | | | | 44 | | | | | 67 |
| 47 | | | | | 45 | | | | | 51 |

Table 18.--Number of flowers and fruits per 40 plants S-3 and S-4 cotton at Safford, 1967--
dry irrigation treatment

| WEEK | S-3 | | | | | S-4 | | | | |
|------|------------|------------|------|-------------|--------------|-----|------------|------|-------------|--------------|
| | SQR SQR | ABS SQR | FLCW | ABS BOLL | HVST BOLL | SQR | ABS SQR | FLOW | ABS BOLL | HVST BCLL |
| 25 | 19 | | | | | 17 | | | | |
| 26 | 53 | 1 | | | | 82 | 2 | | | |
| 27 | 96 | 6 | | | | 123 | 8 | | | |
| 28 | 209 | 21 | | | | 286 | 29 | | | |
| 29 | 202 | 10 | | | | 306 | 32 | 4 | | |
| 30 | 377 | 84 | 14 | 1 | | 622 | 115 | 20 | | |
| 31 | 74 | 97 | 71 | 3 | | 252 | 134 | 104 | 2 | |
| 32 | 38 | 97 | 114 | 2 | | 79 | 129 | 130 | 1 | |
| 33 | 92 | 55 | 122 | 5 | | 160 | 101 | 187 | 2 | |
| 34 | 220 | 89 | 231 | 55 | | 306 | 209 | 391 | 17 | |
| 35 | 37 | 91 | 63 | 66 | | 67 | 178 | 164 | 75 | |
| 36 | | 196 | 53 | 94 | | | 251 | 112 | 334 | |
| 37 | | 2 | | | 1 | | | | | 1 |
| 38 | | | | | 1 | | | | | 7 |
| 39 | | | | | 26 | | | | | 28 |
| 40 | | | | | 55 | | | | | 90 |
| 41 | | | | | 90 | | | | | 129 |
| 42 | | | | | 86 | | | | | 151 |
| 43 | | | | | 69 | | | | | 95 |
| 44 | | | | | 47 | | | | | 71 |
| 45 | | | | | 25 | | | | | 42 |
| 46 | | | | | 30 | | | | | 47 |
| 47 | | | | | 12 | | | | | 20 |



